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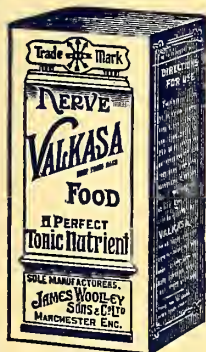
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A valuable emollient medicated skin soap, especially suitable for use in Eczema } 1/6 12/-

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Advance in Wholesale Prices  
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1/- „	„	10/- „
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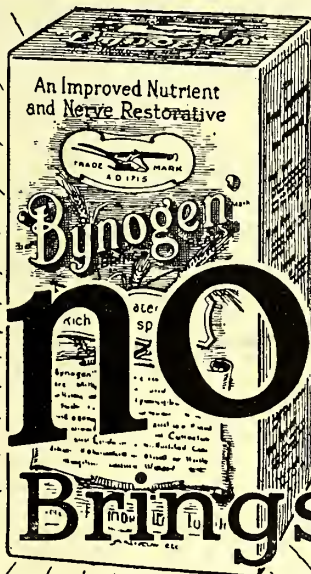
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The Improved Casein-Glycerophosphate Food

# ‘Bynogen’

Trade Mark

## Brings Health



**An Easily Digested  
Nerve Food  
Rich in Phosphorus**

### *Composition of "Bynogen."*

"Bynogen" is a combination of pure Milk Protein, 75 per cent., and specially prepared Dextrin-Maltose, 20 per cent., with 2 per cent. each of the Glycerophosphates of Soda and Lime, and 1 per cent. of Glycerophosphate of Magnesia.

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respectively.



**A Concentrated  
Nutrient  
and Restorative**

### *Advantages of "Bynogen."*

"Bynogen" possesses a most attractive flavour and thereby overcomes the objection hitherto experienced in other somewhat similar products.

"Bynogen" strengthens digestion, improves nutrition, and does not cause constipation.

"Bynogen" is delicious when sprinkled on puddings, toast, etc. It mixes readily with milk and other fluids, or it may be eaten plain if desired.

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Acidity equal to 99 % Cream of Tartar, and not over 2 % Sulphates.

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**Brumo Brand (Reg.)**

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*Moseley Street, Birmingham.*

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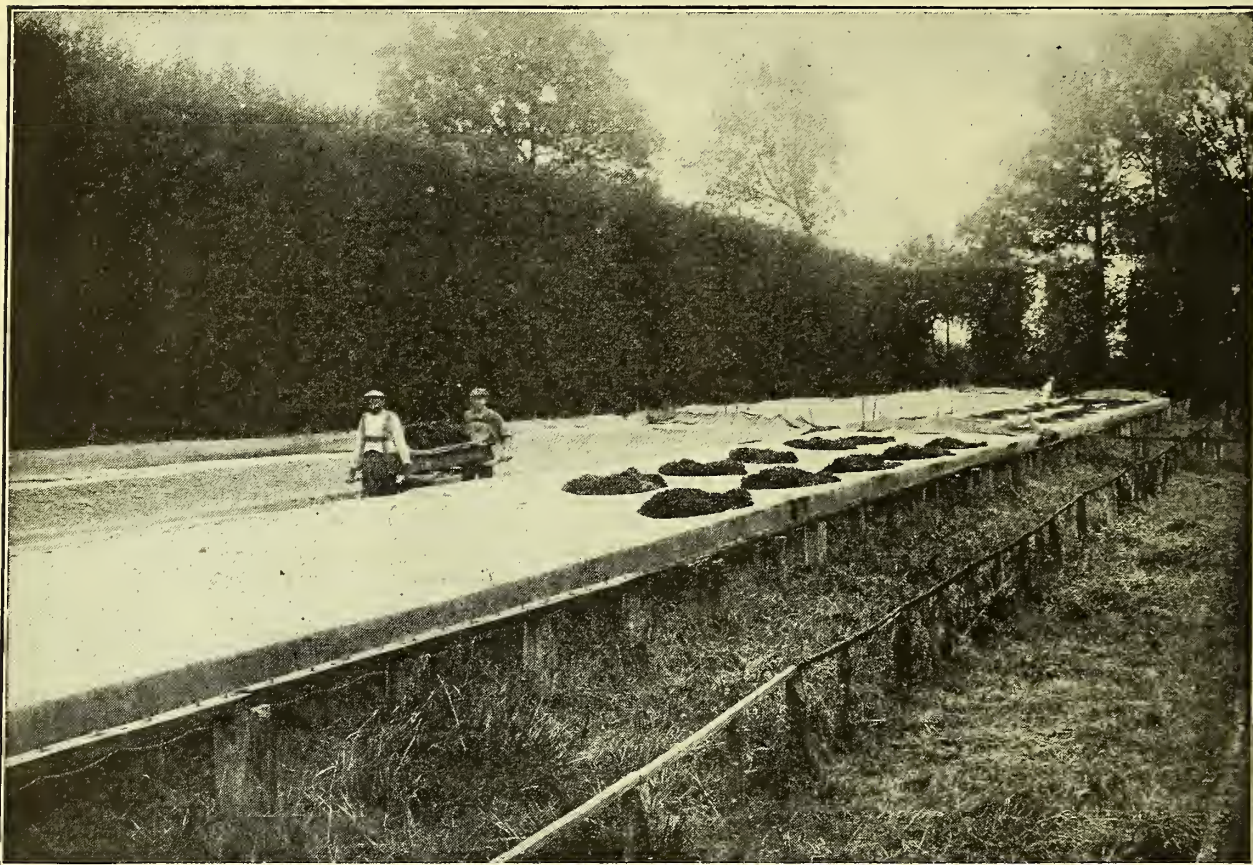
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Bromide of Potassium	Lithol (Ichthyol sub.)
Bromide of Sodium	Mercurials
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Cinchonidine Sulphate	Pepsine
Citric Acid	Phenacetin
Cocain Hydrochlor and Puriss	Phenazone
Cream of Tartar	Pyrogallic Acid
Creosote Carbonate	Potassium Sulpho-Guaiacolate
Eucalyptus Oil	Quinine and Salts
Formaldehyde	Quinine Ethyl Carbonate
Gallic Acid	Salicylate of Soda
Glycerophosphates	Sugar of Milk
Guaiacol Carbonate	Tannic Acid
Heliotropin	Tannin Albuminate
Hexamine	Terpineol
Homatropine	Theobromine
Hydroquinone	Vanillin

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# Farris's Air Bleached Pure Beeswax.

Celebrated for Excellence and Purity nearly Three Quarters of a Century.



*Farris's Process No. 2.—The Beeswax, in ribbon form, being laid on canvas frames to bleach in the sun.*

## "FARRIS'S" GENUINE WHITE BEESWAX

**AIR BLEACHED AND GUARANTEED PURE.**

PURE ENGLISH REFINED SPERMACETI, Paraffin Wax, Pure Olive Oil, Lubricating Oils, Insulating Fluid and Wax.  
Special Refiner of Oils for the fine Clockwork of Telegraphic Instruments. Oil Refiner to H.M. Government.

**"FARRISOL"** PARAFFINUM LIQUIDUM. B.P.  
— ENGLISH MADE —  
FROM PURE RUSSIAN OILS

ABSOLUTELY ODOURLESS AND TASTELESS.

RECOMMENDED AND ADOPTED BY THE HIGHEST MEDICAL AUTHORITIES.

**Guaranteed to exactly conform to B.P. tests.**

**CHARLES FARRIS, 71 Bishopsgate, London, E.C.**

Works: HELMET COURT, BISHOPSGATE, E.C.

Warehouses and Stores: 91 & 93 BISHOPSGATE, and 12 WORMWOOD STREET, E.C.

Telephones: LONDON WALL, 9397 and 9398.

Telegrams: "WAXINESS, LED, LONDON."

# BATHING CAPS

A SPLENDID  
SELECTION OF  
POPULAR  
PATTERNS.



## CHECK "CYGNET."

Sure to be popular again  
this season.

Check Cambric, with  
coloured trimming.  
Per dozen 8/6

## CIRCULAR CHECK CAMBRIC.

Sizes 1, 2 & 3.  
"Super" quality ... 13/-  
"B/O" ... 8/6  
"Diamond" ... 4/6  
Per dozen.

"LA FRANCE."  
Red and blue sateen,  
spotted white.  
Per dozen 20/-

"LA CHARMEUSE."  
Proofed outside, blue  
and green, large white  
spots. Per dozen 16/-

THE "PARISIAN."  
Blue, green, mauve,  
salmon, and terra cotta  
Per dozen 24/-

I.R. HELMETS.  
Red rubber. Sizes 1,  
2, 3, 4, 5 & 6. Per dozen  
22/- With stockinette  
band, per dozen 24/-

## ORDINARY FLAT CIRCULAR CAPS.

"MERMAID," transparent oil silk, assorted colours ...	Sizes 1, 2 & 3	15/-
"PRUDENCE," double proof, "Quaker" grey ...	Sizes 1, 2 & 3	13/-
"SPOTTED SATEEN," red or blue, white spots ...	Sizes 1, 2 & 3	8/6
"FANCY SATEEN," assorted colourings and designs ...	Sizes 1, 2 & 3	6/6
"Twill," red or blue, proofed inside ...	Sizes 1, 2 & 3	6/6
"No. ELEVEN," proofed outside in assorted colours ...	Sizes 1, 2 & 3	6/-



## MAW'S "ENCHANTRESS"

Seven patterns of pure indiarubber material. Only one size in each  
style is necessary to fit any head.

No. 0. A simpler style of No. 1 ...	Doz. 12/-	No. 4. As illustrated ...	Doz. 27/-
" 1. As illustrated ...	16/-	" 5. ...	30/-
" 2. ...	16/-	" 6. (Similar to No. 5) ...	27/-
" 3. ...	24/-		

*An exceptionally beautiful Series*



**Maw's**

S. MAW, SON & SONS  
(GPO BOX No 54)  
7-12, ALDERGATE ST.  
LONDON E.C.

**Page**

No. 242

JUNE 3, 1916

## HOLIDAY REQUISITES

THE HOUSE FOR  
HOLIDAY LINES HAS  
MADE THE USUAL  
PREPARATIONS TO  
MEET HOLIDAY RE-  
QUIREMENTS. LET  
US KNOW WHAT YOU  
WANT, OUR SERVICE  
WILL BE A PLEASURE

## The Human Element

The exigencies of war is creating  
changes in the personnel of all large  
establishments.

Recently we had occasion to adver-  
tise a vacancy on our staff.

The next day we received one  
hundred and fifty-three applications  
from young women desiring inter-  
views. Requests came from all parts  
of London and suburbs and outlying  
towns.

Each letter was carefully perused;  
and twelve names were finally  
selected. We wrote to each of these  
applicants, and fixed an appointment  
at fifteen-minute intervals.

A departmental manager duly  
devoted over three solid hours to this  
apparently unimportant task. Dur-  
ing the best part of a morning the  
dozen candidates presented them-  
selves for a personal test of their  
abilities.

We applied no thumb-and-rule  
examination. We sought for that  
individuality which is best expressed  
by a tactful interview. We went  
carefully into their past experience,  
and obtained a practical demon-  
stration of the work they would be  
expected to do. We bear in mind  
the one cardinal point so often over-  
looked: An employee, in whatever  
capacity engaged, becomes an im-  
portant human cog in the machinery  
of commerce. Man-power and  
woman-power make system possible.

We like to ascertain that the con-  
templated duties will be congenial to  
the applicant. Square pegs in round  
holes are never a success. We rightly  
look upon the engagement of a House  
of Maw employee: as a duty to be  
carefully performed on behalf of our  
customers and ourselves. The selec-  
tion has to be made according to  
certain definite standards. It assures  
that *esprit de corps*  
and service for  
which we are famous.

*Capsule*

# THE DIGESTIVE FERMENTS Co.

16-26 LOCUST STREET,  
DETROIT, U.S.A.

The following are among our Specialities, Digestive Ferments, and Animal Extracts, stocks of which are held in London by MAY & BAKER, LTD., BATTERSEA, LONDON, S.W.

## DIGESTIVE FERMENTS

AMYLOPSIN  
DIASTASE  
PANCREATIN  
PEPSIN  
RENNIN 1 : 30,000  
TRYPSIN

## ANIMAL SUBSTANCES

BONE MARROW  
HÆMOGLOBIN  
LECITHIN  
OX-GALL  
PEPTONE

SODIUM GLYCOCHOLATE  
SODIUM TAUROCHOLATE

*We devote our whole time and attention to the manufacture of Digestive Ferments and Organo-Therapeutic Products, and we claim to produce the Highest Qualities at the Lowest Prices.*



**THE FRENCH** NATURAL MINERAL  
— WATER. —

# VICHY-CÉLESTINS

**DISORDERS** of the **LIVER, GOUT,**  
**Diabetes, Rheumatism, Gravel, &c.**

## VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

**CAUTION.**—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the **SOLE AGENTS:** INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

**PROPERTY OF THE FRENCH GOVERNMENT.**

**HENRY JACKSON & SONS.**

WHOLESALE  
DEALERS IN DRUGGISTS'  
SUNDRIES.

29 & 31 School Lane, } off  
2 & 4 Brooks Alley, } Hanover St.  
**LIVERPOOL.**

TELEPHONE 3004 ROYAL.

To the Wholesale and Retail Trade.

Dear Sirs,

After a period extending over fifty years, the above "old firm" will cease trading on June 3, 1916 (owing to my ill-health).

During that time many friendships have been made, and it is with much regret that I bid you farewell, as far as this business is concerned.

I heartily thank you for the courtesy extended towards our firm: the Wholesalers for their attention to our requirements; and the Retailers for their steady support and friendly feelings which have done so much towards making business life a pleasure.

Wishing you all good luck,

Sincerely yours,

**JOHN CHARLES JACKSON,**

Trading as HENRY JACKSON & SONS.

P.S.—After June 10, letters to be addressed:

J. CHARLES JACKSON,  
4 Rufford Road,  
Fairfield, LIVERPOOL.



**By Royal Warrant**

To H.M.  
King George V.

To H.M.  
Queen Alexandra.



*Holders of Royal Warrants during three successive Reigns.*



**Jeyes' Fluid**—Best and Safest Disinfectant.

**Cyllin—Jeyes' Special Fluid.** The relatively non-poisonous Bactericide.

**Cyllin Medical**—A refined preparation of Cyllin.

**Jeysol**—Identical in composition with original German Lysol, and equally efficient.

**Jeyes' Parasitic Soap**—For destroying all body parasites in the trenches.

**Jeyes' "Cyllin" Toilet Soap**—Invaluable as a cleanser and purifier of the skin.

**Senalia**—Delicately perfumed tablets. "The Queen of Toilet Soaps."

**Jeyes' Sanitary Compounds Co., Ltd., 64 Cannon St., London, E.C.**

# F. DARTON & CO.

Clerkenwell Optical Works, 142 ST. JOHN STREET, **LONDON, E.C.**  
and 52 CLERKENWELL ROAD,

## SPECTACLES & EYEGLASSES

GOLD-FILLED, STEEL & NICKEL

IN

ALL QUALITIES & STYLES and the best finish.

*Supplied by return mail on receipt of order.*

*R work, framed or rimless, dispatched promptly and accurately*

## DISPENSING BOTTLES & PHIALS.

**CLEAR BLUE TINTED.**—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz.  
Plain or graduated.

**BEST QUININE, TINTED.**—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz.  
Plain or graduated.

**WHITE PHIALS.**— $\frac{1}{4}$  oz., 1 oz.,  $1\frac{1}{2}$  oz., 2 oz. Plain or teaspoon.

**BLUE LOTION BOTTLES.**— $\frac{1}{2}$  oz., 1 oz.,  $1\frac{1}{2}$  oz., 2 oz., 3 oz., 4 oz.  
6 oz., 8 oz., 12 oz.

**PANEL BOTTLES.**

We send six gross assorted or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application

**CORKS.**  
Good quality. No advance in price : 6 and 8 oz. bottles, 9d. per gross in 6 gross bags. Vials 6d. per gross in 3 gross bags.

**I. ISAACS & CO.,**

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.

Or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, W.

Orders sent to either establishment have attention.

Established 100 Years.



**National Autographic Till.**

MAHOGANY Finished Cabinet, Bronze Fittings, Paper Roll ruled for assistant's initial, cash sales, credit sales, money received on account, and money paid out

Other Autographic Tills in stock. Receipt-Printing Tills from £6.

We Guarantee to furnish a better Cash Register or Autographic Till for less money than any other concern in the world.

Write for Coloured Illustrated List

THE NATIONAL CASH REGISTER, Co., Ltd.  
225, TOTTENHAM COURT ROAD, LONDON, W.

## HAVE YOU RECEIVED OUR NEW CATALOGUE

Of BOTTLING, TUBE- & TIN-FILLING MACHINES, MIXERS, EMULSIFIERS, ETC.

*Up-to-date Plant at Low prices.  
Something to meet every need.*

WRITE—

ROBERTS' PATENT FILLING MACHINE CO.,  
33 ROUNDROFT STREET, BOLTON, ENGLAND.

# An Apology!

WE owe you an apology for the inconvenience caused by the present serious delays in the delivery of MCCLINTON'S SOAPS AND TOILET PREPARATIONS.

This is entirely owing to the difficulty in getting the Steamship and Railway Companies to accept ordinary traffic, so much of their space being taken up by Government supplies.

Now, however, that we are a Government Controlled Establishment, we have a promise from the Ministry of Munitions that much better transit facilities will be given us shortly.

Meantime, until we are sure of being able to effect speedy deliveries, if you are in immediate need of stock we shall be pleased to send you an 11 lb. assorted parcel, by post, on usual terms, we paying postage. This offer is open, not only to our direct customers, but to those who may be having difficulty in getting supplies through their Wholesalers.

We annex a specimen order, and shall be glad if customers will keep as near to this *in quantity* as possible, although, of course, the preparations may be varied if desired.

At the same time please send your usual order, which will be forwarded with all possible speed by rail.

## SPECIMEN ORDER

- 1½ doz. Colleen Soap.
- ½ doz. 1/- Hibernia Sticks.
- ½ doz. Exquisite Sticks.
- ½ doz. 6d. Shaving Cream in Tubes (or ¼ doz. 1/- Dental Cream and ¼ doz. Shaving Cream in Tubes).
- ¼ doz. Cartons Colleen Shampoo Assorted.

**Colleen Soap**  
and Toilet Preparations

**McCLINTON'S**  
**Toilet Soap Works,**  
**DONAGHMORE**  
**Co. TYRONE.**

# PRICE'S

## Extra Triple

# Eau de Cologne

WICKERED BOTTLES.

Packed in neat original pattern wooden boxes of various sizes, containing either one or three bottles.

Especially Suitable for  
Dispatch.

# PRICE'S

Battersea,  
London, S.W.

Eau de Cologne  
and  
General  
Perfumery.  
Price Lists  
on  
application.



Attractive  
Showcase  
offer.  
Particulars  
on  
application.

# DISINFECTANTS

of undeniable germicidal qualities  
will be good stock this season, and

## COOK'S FLUIDS

are always reliable.

For your guidance in case of inquiry  
for a line you are not stocking, we  
give you hereunder particulars of the  
three principal fluids:

Cook's "Cofectant" Fluid	- 1/- tins	- 8/- doz.	WHOLESALE
Cook's Pine Fluid	- 9d. tins	- 6/-	„
Cook's "Decitas" Fluid	- 1/- bottle	7/-	„
Cook's "Decitas" Fluid	- 6d. bottle	4/3	„

DESCRIPTIVE PAMPHLETS AT YOUR DISPOSAL.

SOLE MAKERS:

**EDWARD COOK & CO., Ltd.**  
**BOW, LONDON, E.**

# Petroleum Jelly

White, Yellow, Amber,  
& Ruby Red, for all  
Pharmaceutical and  
Veterinary purposes

MEADE-KING, ROBINSON & CO.  
LIVERPOOL . . . MANCHESTER

**K Y H O**

Registered. (Protected by the P.A.T.A.) Registered.

## The Wonderful New HAIR RESTORER

Cooling and refreshing to the scalp, promoting new growth and restoring the natural vigour of the Hair. Contains no grease or colouring matter, yet has been found to revive the natural pigment.

Sold in bottles, 2/6; minimum retail price, 2/3.  
To the Trade, 21/- per doz. from all the leading Wholesale Houses, or from the

**KYHO PROPRIETARY, Ltd., 17 Victoria St., S.W.**  
A Special BRILLIANTINE and a SHAMPOO FLUID are also supplied to be used with KYHO. 1/- per bottle; 9/- doz. to trade.  
For further particulars see our full page advt. in "The Chemist & Druggist," March 30, 1912.

THERE ARE OTHER GOLD PAINTS, BUT ONLY ONE  
"GLOSSOLAR,"  
THE FINEST GOLD PAINT ON THE MARKET.

MIXED.

REGD.

## Glossolar

BRITISH-MADE

UNMIXED.

The New Patent LID-ON COVER. Adjustable to any size Cup or Jug.  
Particulars of above lines on application to  
**J. DAVIES & CO., 43 BASINGHALL ST., LONDON, E.C.**




TO  
ALL BUYERS OF

# PARAFFIN

# WAX

*SPECIALITY*  
*HIGH GRADE*  
... WAX ...

APPLY TO

**ASIATIC PETROLEUM CO. LTD.**  
*St Helens Court, Great St Helens, LONDON, E.C.*

**LABORATORY  
OF GENERAL PHARMACOLOGY,**  
8, Rue Vivienne, Paris.

LONDON AGENTS:  
**WILCOX, JOZEAU & Co.,** 49, Haymarket, S.W.



**CHAPOTEAUT'S  
CAPSULES of  
PHOSPHOGLYCERATE  
of LIME.**

THE BEST TONIC FOR  
FORTIFYING AND BUILDING UP  
THE NERVOUS SYSTEM.

*Sold by all Chemists.*  
Wholesale: 8, Rue Vivienne,  
PARIS.

**MORRHUOL CHAPOTEAUT**



**CAPSULES**

MORRHUOL DE CHAPOTEAUT  
is extracted from cod-liver oil, and  
contains all its efficacious proper-  
ties without the disagreeable taste.

*It cures Coughs, Bronchitis and Catarrh,  
restores the appetite, and gives force to  
feeble persons.*

**SOLD BY ALL DRUGGISTS.**

**CHANDRON'S  
DROPS**

(Gouttes des Colonies)

A harmless antiseptic  
preventative against CHOLERA-  
FERMENTATION - INDIGESTION  
& other intestinal disturbances.

**SOLD BY ALL CHEMISTS**

*I find the odor exquisite and  
will be charmed to have recalled  
by my future. Truly, sincerely,  
Mary Garden*

**PARFUM**  
**MARY GARDEN**  
**RIGAUD**  
PARFUMEUR  
16, RUE DE LA PAIX,  
PARIS.

LONDON AGENTS  
**HEPPELL & CO.,** 164, Piccadilly, W.

A powerful antiseptic and deodorant.

# <sup>36</sup> PETAL DUST<sup>37</sup> REGD.

The greatest of all floral air-purifiers.

A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. "PETAL DUST" has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

**Retails in 3d. and 6d. packets**

Attractive Showcards, Counter Bills, etc., with customer's name and address on each packet, for orders of 5 gross and upwards.

SOLE PROPRIETORS—

**THE ROSMARINE MANUFACTURING COMPANY,**  
**STAMFORD STREET, LONDON, S.E.**

CITY DEPOT: H. C. QUELCH & CO., LUDGATE SQUARE, LONDON, E.C.

**F. M. RUDD,**  
**Bronson,**  
**MICHIGAN,**  
**U.S.A**

## GENUINE AMERICAN PEPPERMINT OIL

*"Columbia" Natural*  
*"Diamond White"*  
*Re-distilled.*

Finest qualities for Druggists,  
Distillers and Confectioners.

*Sole Consignees in United Kingdom—*  
**R. W. GREEFF & CO.**  
Thames House,  
Queen St. Place, LONDON, E.C.

THE PROBLEM  
IS SOLVED

If you employ

**SEMREH**

BOTTLE CAPS  
for all your cappings.  
They are SELF-FIXING

THE VISCOSE  
DEVELOPMENT CO. LD.,  
BROMLEY, KENT.



## Old Hats. Old Hats. "WHITEAGAIN"

Makes old straw hats like new.  
A compound that cleans & bleaches.

**NON-POISONOUS.**

3 doz. 2d. packets on cards 4/- net.  
8 cards for 24/- Carriage paid.

CASH WITH ORDER.

**L. K. Co., 11/12/13 Gilbert Street,**  
Sole Proprietor: ROBERT BLACKIE. London, E.C.

## MEDICAL DISPENSING BOTTLES.

**T. FERRY & SON, Ltd.**  
PARK LANE GLASS WORKS,  
GATESHEAD - ON - TYNE.

Telegrams:  
"BOTTLES GATESHEAD."

Telephone:  
70 GATESHEAD.

## **ELEY BROTHERS, LIMITED**

specialise in the manufacture of  
the following articles at the  
lowest prices :

### **Shaving Stick Cases**

### **Oval and Round Tops**

for Powder Tins, Cruets,  
Dredgers, etc.

### **Metal Boxes**

for Dentifrices, Soap Tablets, etc.

### **Ferrules**

for Walking Sticks, Whips,  
Bamboo Fittings, etc.

### **Pencil Fittings**

in any of the following metals :  
Brass, Copper, or White-metal  
(nickel or silver - plated),  
Aluminium and Jewellers' Metal  
(Tombac).

**ELEY BROTHERS, Ltd.**

(Dept. 21), Edmonton, London, N.

## **A. Boake Roberts & Co., Ltd.. STRATFORD, LONDON.E.**

Distillers and direct  
Importers of all important

### **Essential Oils.**

Manufacturers and Distillers of

### **ESSENCES, SYNTHETIC PERFUMES, &c.**

including

**Anethol, Citral,  
Citronellol, Eugenol,  
Geraniol, Geranylacetate,  
&c.**

**Terpeneless Oil of Lemon,  
Sesquiterpeneless  
Oil of Lemon.**

*Write for samples and quotations.*

**A. Boake Roberts  
& Co., Ltd..**



# M. NAËF & CO.

## GENEVA (Switzerland),

MANUFACTURERS OF

# SYNTHETIC AND AROMATIC CHEMICALS,

*Invite special attention to the following products :—*

**CYCLAMEN "N,"** base for Cyclamen and Lily of the Valley.

**VIOLETTONES A—B and VIOLETTOLS,** indispensable for all high-class Perfumes and Soaps.

**VIOLANOL,** the truest Violet Perfume ever produced.

**LILAFLEUR,** a perfect and exquisite Lilac preparation.

**FLEUR DE MUGUET and MUGUET N,** both reproduce exactly the odour of Lily of the Valley.

**IRALIA 100 %—CYCLOSIA—DIANTHINE—  
NARCISSUS—JACINTHE—TRIFOLIN.**

**SYNTHETIC OILS OF ROSES** (Rose d'Orient, Rose Rouge, Petales, Malmaison, Maréchal Niel, Rose Provençale).

**TERPENELESS OILS.**—Lemon, Bergamot, Sweet Orange, Bay, Lavender, Geranium, Oils of Limes, &c., all made out of the finest Essential Oils procurable.

---

*Sole Representatives for the United Kingdom :—*

**E. GUILLEVIC & CO., 19 St. Dunstan's Hill, LONDON E.C.**

Telegraphic Address : "PHLOXIA, BILGATE, LONDON."

Telephone No. : AVENUE 5089.

---

*Samples and Price Lists sent on application to the Wholesale Trade.*



# Eau de Cologne "RHEIMS" Brand

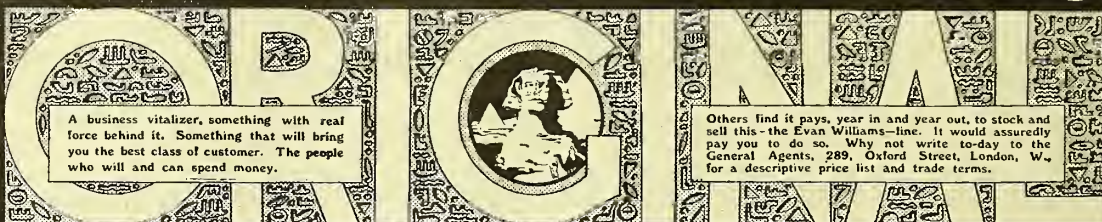
6	Bottles	....	....	per doz.	4/6
1/-	"	....	....	"	9/-
2/-	"	....	....	"	15/-

Subject to usual 5% discount.

A good lasting perfume selling freely as a patriotic line wherever it is shown.

**"Newbery's"**  
CHARTERHOUSE SQUARE LONDON

## DR. EVAN WILLIAMS'

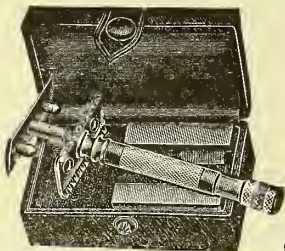


A business vitalizer, something with real force behind it. Something that will bring you the best class of customer. The people who will and can spend money.

Others find it pays, year in and year out, to stock and sell this—the Evan Williams—line. It would assuredly pay you to do so. Why not write to-day to the General Agents, 289, Oxford Street, London, W., for a descriptive price list and trade terms.

## HENNA SHAMPOO

### SAFETY RAZORS



Complete Outfits,  
8/6 to 36/- Doz.

SAFETY  
RAZOR BLADES,  
4/6 to 14/6  
per Gross.

Wholesale trade only supplied.

HAMMETT'S, —Manufacturers,—London, N.E.  
422 MARE STREET,

### TIDMAN'S SEA SALT

The Proprietors have been compelled to revise their prices, which will be as follows for all goods invoiced after May 31. The former prices will be reverted to as soon as market, transit, and labour conditions allow.

NEW PRICE LIST, on and after June 1, 1916.

		Advertised Minimum			
		Price Per doz.	Retail Per doz.	Wholesale Per gross.	
<b>"PENNY PACKETS"</b> (12 in box)		1/6	1/3	10/6	
<b>Twopenny Packets</b> (12 in box) ...		2/-	2/-	19/-	
<b>Boxes</b> , about 1½ lbs. ...		Each. 4d.	Each. 4d.	Per doz. 3/4	
" " 3½ " ...		Each. 8d.	Each. 8d.	Per doz. 6/8	
" " 7 " ...		Each. 1/2	Each. 1/2	Per doz. 11/6	
" " 14 " ...		Each. 2/-	Each. 2/-	Per doz. 20/-	
Four 7 lb. Boxes CARRIAGE PAID for 4/-.					
Assorted Orders to value of 10/-, CARRIAGE PAID, any of above size.					
No stock to hold	Bags of 28 lbs.	Each. 3/6	Each. 3/6	Each. 3/-	
	" 56 "	Each. 6/6	Each. 6/6	Each. 5/6	
	" 1 cwt.	Each. 12/-	Each. 12/-	Each. 10/-	
	Carriage Paid.				

2½ % Discount for Cash on all orders of 20/- and upwards.

Packing Cases extra and returnable. Half value allowed if not returned.

TIDMAN & SON, Ltd., London, E. (Members of P.A.T.A.)

WHOLESALE  
ONLY.

Established  
1901.

**Surgical Dressings,  
Absorbent Lints,  
Bandages, Gauzes, &c.**

Samples and prices on application.

VERNON & CO., Ltd., Penwortham Mills, PRESTON.

Also 9 Fore Street Avenue, London, E.C.

**PRESCRIBED FOR MEMBERS OF THE ROYAL FAMILY**

**SUPPLIED TO HER MAJESTY QUEEN MARY'S ROYAL NAVAL HOSPITAL  
ALSO TO HER ROYAL HIGHNESS THE PRINCESS LOUISE'S HOSPITAL  
THE ALLIES' HOSPITAL (Hôpital de l'Alliance), YVETOT, FRANCE  
THE BRITISH RED CROSS SOCIETY'S HOSPITALS, etc.**

*Unsurpassable reputation for  
genuineness. Never claims to  
do more than it can accomplish.*

*Over a quarter of a century  
of uninterrupted success as  
a specialised preparation.*

# KUTNOW'S POWDER

*For Liver, Kidneys & Bowels.*

## THE FAMOUS BRITISH REMEDY MADE IN ENGLAND ONLY

**THE POWDER—BOTTLES—CAPSULES—LABELS ALL MADE IN ENGLAND**

It is on the P.A.T.A.  
It is well advertised  
It is very popular  
It is a good article  
It is never dead stock  
It yields a good profit  
It satisfies everybody



The Doctors prescribe it  
The Nurses recommend it  
The Public appreciate it  
The Customer comes again  
The demand is constant  
The sales are increasing  
The trade is progressive

**ORDER AT ONCE FROM  
YOUR WHOLESALE HOUSE**

**WINDOW SHOWS ATTRACT  
REMUNERATIVE BUSINESS**

### IMPORTANT NOTICE.

## Hospital War Service

— FREE OF CHARGE —

### DOCTORS, NURSES & HOSPITALS

*are invited to apply at once for special Physicians' Sample Bottles of Kutnow's Powder, for the use of the sick and wounded both at the front and at home. All applications will be dealt with promptly and supplies forwarded immediately, carriage paid. Applications to be made by letter, and should be marked*

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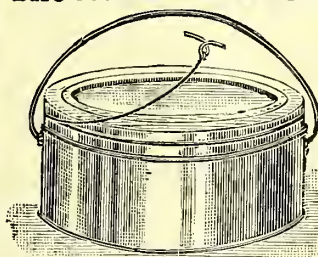
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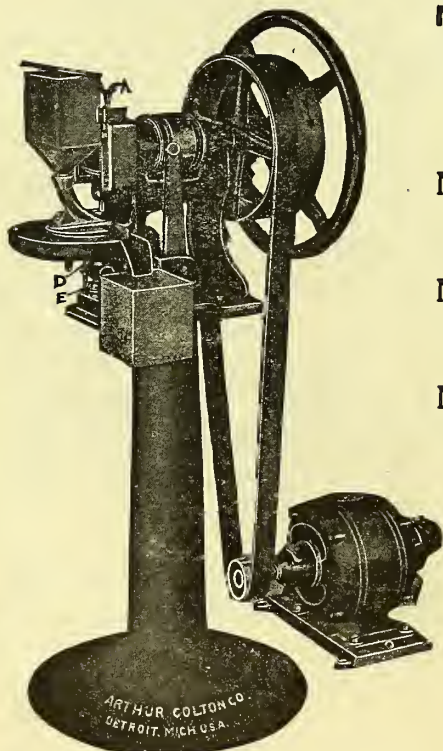
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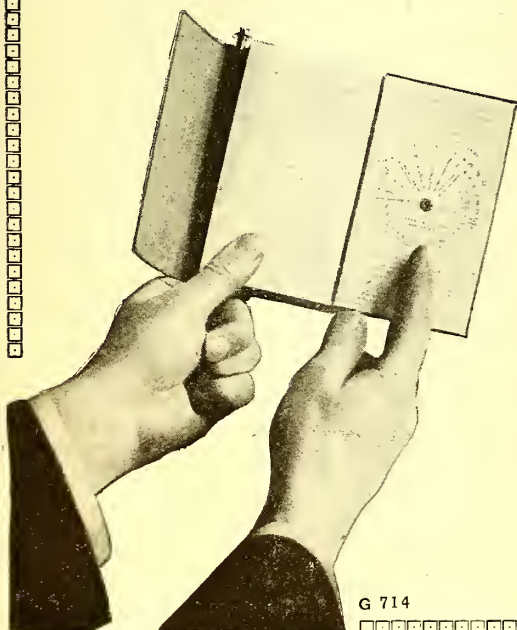
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Sodii citras.  
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Ferri et quinin. cit.

### Formates.

Calcii formas.  
Potassii formas.  
Sodii formas.

### Lactates.

Calcii lactas.  
Calcii lactophosph.  
Ferri lactas.  
Magnesii lactas.  
Strontii lactas.  
Zinci lactas.  
Calcii phosphas (P.B. '14).  
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(large cryst.)  
Sodii salicylas pulv.  
Sodii salicylas P.P.P.  
Acid acetylsalicylic.  
Calcii acetylsalicylas.  
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### Sodii sulphas P.P.P.

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Sodii sulphas acid.  
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## Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

#### Monday, June 5.

*Society of Chemical Industry, London Section*, Burlington House, Piccadilly, W., at 8 p.m. Dr. R. Seligman and Mr. Percy Williams on "The Action of Nitric Acid on Aluminium"; Professor W. B. Bottomley on "Bacterised Peat: The Problem in Relation to Plant Nutrition."

#### Wednesday, June 7.

*Pharmaceutical Society of Great Britain*, 17 Bloomsbury Square, London, W.C., at 11 a.m. Council-meeting.

#### Thursday, June 8.

*The Optical Society*, Chemical Society's Rooms, Burlington House, Piccadilly, London, W., at 8 p.m. Mr. F. Harrison Glew on "Modern Technical Applications of Radium and other Luminous Substances."

*The Röntgen Society*, Institution of Electrical Engineers, Victoria Embankment, London, W.C., at 8.15 p.m. Professor J. W. Nicholson on "Homogeneity of Visible Radiation."

#### Friday, June 9.

*Royal Institution of Great Britain*, Albemarle Street, Piccadilly, London, W., at 5.30 p.m. Dr. Ernest Clarke on "Eyesight and War."

PHARMACIST VOLUNTEER TRAINING CORPS.—A dinner will be held at Frascati's Restaurant, Oxford Street, London, W., on Thursday, June 22. Tickets (7s. 6d. each, double 14s.) from Q.M. H. A. Mills, 3 Croxted Road, Dulwich, S.E. [Please note corrected date.]

## European War News.

#### Import and Export Notices.

FRANCE.—In further reference to the list of prohibited imports (*C. & D.*, May 20, p. 53), we note that the importation of alcohols (brandies and spirits of all kinds) and liqueurs from foreign countries is prohibited. The prohibition does not apply to goods imported on account of the State, alcohols imported by manufacturers of liqueur wines, vinegar, chemical or pharmaceutical products, varnish, or perfumery.

NORWAY.—The exportation of carnauba wax has been prohibited.

SWEDEN.—The Swedish Chamber of Commerce in London has received notification that the following articles have been added to the list of goods which are now prohibited for exportation from and for transit through Sweden: Children's foods, sugar of milk, malt sugar and malt extract, spirit of salt, natural gum, gamboge and other gum resins.

UNITED KINGDOM.—Citric acid and honey have been placed on the "C" list—i.e., exportation is prohibited to all foreign countries in Europe and on the Mediterranean and Black Seas, other than France and French Possessions, Russia, Italy and Italian Possessions, Spain, Portugal, and to all ports in any such foreign countries, and to all Russian ports. Calves' stomachs have been placed on the prohibited list to all destinations (Class A). The item sodium carbonate and bicarbonate (Class C) has been deleted; sodium bicarbonate has been transferred to Class A, and sodium carbonate to Class B (exportation prohibited to all destinations abroad other than British Possessions and Protectorates).

#### Enemy Firms to be Wounded.

Among the businesses in England which are to be wound up by order of the Board of Trade are: Odol Chemical-works, 59-63 Park Street, Southwark, S.E., manufacturers of toilet-preparations. Controller: C. C. Campling, 4b Frederick's Place, Old Jewry, London, E.C. P. Beiersdorf & Co., 7 and 8 Idol Lane, London, E.C., manufacturing chemists. Controller: R. S. Paterson, 1 Walbrook, London, E.C. Pfeifer & Co., St. Dunstan's House, Cross Lane, London, E.C., agents for sale of chemical-products. Controller: Athelstan Dangerfield, 56 Cannon Street, London, E.C.

#### Military Tribunals' Decisions.

The following is a selection of the cases of trade interest which have been reported since our last issue:

BARNET.—Three months' exemption was granted to Rowland Ramsden, assistant with Mr. W. Parry Jones, chemist and druggist.

BATH.—Mr. H. C. Broad, chemist and druggist, the Cleveland Pharmacy, was refused temporary exemption for his son, who is his apprentice.

BERMONDSEY.—Lennon, Ltd., wholesale druggists, of 12-14 Lafone Street, S.E., were granted conditional exemption for a Custom House and dock clerk.—Matthews & Wilson, Ltd., manufacturing chemists, Mill Street, Dockhead, obtained a month's exemption for a drug-packer, the only one of three packers left.

BOGNOR.—Four months' conditional exemption was granted to the dispenser at the Bognor branch of a company chemist. The application was supported by the Insurance Committee.

BOLTON.—On May 25, a man employed by a firm of wholesale druggists, described as the only "heavy-weight lifter" left, was granted exemption until August 31.

BROADSTAIRS.—Conditional exemption was granted to three chemists on the recommendation of the Kent Insurance Committee.

CHELMSFORD.—Exemption until July 1 was granted to O. T. Miller, assistant with Mr. J. T. Bellamy, Ph.C.; and Mr. A. E. Karston, with Mr. J. E. S. Bunn, chemist and druggist, who appealed on domestic grounds, was exempted until September 1.

CHIPPENHAM.—The military authorities applied for a revision of the decision of the Local Tribunal, which granted four months' exemption to Mr. Harry Button, who manages the grocery and chemist's business formerly belonging to Mr. J. C. Coles. Although not a qualified chemist, it was stated that "dressings and ointments" are supplied to the Insurance Committee. After discussion as to whether Mr. Button could be exempted on the ground that he is managing a business, the Tribunal refused to grant exemption.

CLACTON.—Conditional exemption was granted to Mr. A. P. Bebb, chemist and druggist, who dispenses for the Insurance Committee.

B

**CROWBOROUGH.**—Exemption was granted to Mr. G. H. F. Dier, chemist and druggist, who, it is stated, does practically all the dispensing in the town. The application was supported by three local doctors.

**DARTFORD.**—Mr. Leonard A. West, chemist and druggist, was granted exemption from military service, but exemption was refused for Mr. J. W. Southwick, his assistant. —The case of Mr. Frank C. Starnes, experimental chemist at Burroughs Wellcome & Co.'s factory, was adjourned for a month.

**EAGLESCLIFFE.**—Mr. S. T. Mawson, chemist and druggist, was exempted until October 1.

**EXETER.**—An application by Mr. H. Wippell Gadd, B.L., for the exemption of Mr. P. F. J. Trestrail, chemist and druggist, with Holman, Ham & Co., Ltd., was adjourned to obtain the views of the Insurance Committee on the matter. —Exemption until November 30 was granted to Mr. S. T. Patterson, Ph.C., pharmacist at the Royal Devon and Exeter Hospital.

**EXMOUTH.**—Exemption was granted on May 18 to Mr. J. B. Braid, chemist and druggist, and Mr. A. Derry, chemist and druggist with Mr. A. H. Toone, chemist and druggist, Rolle Street.

**FARNBOROUGH (HANTS).**—Exemption was refused for Percy Munday, assistant with the Timothy White Co., Ltd. —Henry Lancaster, who carries on a drug-business in Victoria Road which has to support a crippled lady, was refused exemption.

**FOLKESTONE.**—Conditional exemption was granted to Mr. J. Brooks, with the Timothy White Co., Ltd.

**FOREST ROW.**—Mr. Cyril J. Golding, chemist and druggist and Insurance dispenser, was granted conditional exemption.

**GALSTON (AYRSHIRE).**—The local chemist mentioned last week has received conditional exemption.

**HALESWORTH.**—Conditional exemption was granted to a chemist who manages the business of a chemist and druggist for a lady proprietor.

**HASTINGS.**—The Military Representative appealed against the exemption of a chemist's assistant on the ground that the employer has seven dispensers for four shops. The appeal was dismissed. —Mr. H. C. Edwards, chemist and druggist, was granted three months' exemption for an assistant doing Insurance dispensing at his shop in Eversfield Place.

**HAY.**—Mr. T. J. Stokoe, chemist and druggist, was granted exemption until July 28.

**HIGH WYCOMBE.**—Mr. R. T. Wylie, chemist and druggist, and dispenser under the National Insurance Act, was granted conditional exemption.

**KENILWORTH.**—Mr. A. E. Smith, chemist and druggist, was granted exemption until October 1.

**KINGSTON-ON-THAMES.**—The Tribunal refused to extend beyond June 30 the exemption granted to a chemist with Parke's Drug Stores, Ltd. The Tribunal refused to transfer the case to the St. Pancras Tribunal, where the other cases of the company are being considered.

**LLANDRINDOD WELLS.**—Mr. W. S. Bound, chemist and druggist, applied for the exemption of his apprentice, but the application was refused.

**LYMM.**—Conditional exemption was granted on May 19 to Mr. Edward N. Owen, chemist and druggist.

**MAIDSTONE.**—Mr. Herbert Payne, Ph.C., was granted conditional exemption for Mr. A. E. Howarth, his assistant.

**NEWARK.**—Mr. G. E. Cherrington, chemist and druggist, was granted exemption on condition that his younger brother, Mr. W. H. Cherrington, chemist and druggist, joins the Forces.

**NOTTINGHAM.**—On May 26 the claims were heard of chemists seeking exemption from military service. Mr. A. Eberlin, Chairman of the Pharmaceutical Committee, and Mr. R. Sands, of the Insurance Committee, put forward the claims, which the Tribunal are to consider further.

**NUNEATON.**—Conditional exemption was granted to Mr. Herbert Harding, with Mr. Geo. Davison, chemist and druggist, who is engaged mainly in dispensing.

**READING.**—Conditional exemption was granted to A. W. Sherwood, who has been for twenty-five years with Bradley & Bliss, Ltd., wholesale chemists.

**RISHTON.**—A panel chemist was granted exemption until June 30, when he is to apply again for extension.

**ROCHESTER.**—Conditional exemption was granted to Mr. G. A. Morris, chemist and druggist, and to Mr. H. C. H. Freestone, chemist and druggist, with Ostler & Green, Ltd.

**RYDE.**—Conditional exemption has been allowed to Mr. Tenison N. Smith, chemist and druggist.

**SOUTHWARK.**—Mr. S. T. Seward, manager, and Mr. Conrad C. Seward, co-manager, perfumers, Stamford Street, S.E., applied for exemption. They are the only two males left in the business, with the exception of Mr. Seward, sen., who is seventy-six years of age, and since the war has attended every day. Two months' extension was given to

allow the applicants to make arrangements for one to join up. —Exemption was asked by Boots, Ltd., 80 Borough Road, S.E., for six employes, and these applications, with the exception of a stoker, who was exempted as being in a certified occupation, were adjourned.

**STOURPORT.**—Mr. Walter C. Roberts, chemist and druggist, was granted conditional exemption.

**TEDDINGTON.**—Mr. W. E. Gould, chemist and druggist, was granted conditional exemption for his dispenser, Ernest Mole.

**TORRINGTON.**—Mr. J. J. Handford, chemist and druggist, obtained exemption until October 1 for his assistant, who dispenses Insurance prescriptions.

**TROWBRIDGE.**—Conditional exemption was granted to Mr. W. O. Whitley, chemist and druggist, and two months' exemption to Mr. J. H. Aplin, chemist and druggist, Yerbury Street.

**VENTNOR.**—Conditional exemption was granted to Mr. A. A. Giles, chemist and druggist, manager of the local branch of the Timothy White Co., Ltd.

**WADHURST.**—Mr. E. Douglas May, chemist and druggist, the only Insurance dispenser in the parish, was granted conditional exemption.

**WELLINGTON.**—Mr. J. L. Overton, chemist and druggist, in charge of the branch-business of Gregory & Wrenn, Ltd., was granted exemption.

**WORCESTER.**—Exemption until October 31 was granted to Percival Simpson, assistant with Anderson & Virgo.

## Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

**BURKETT, SHARP & Co.**, drug-merchants, 21 Mincing Lane, London, E.C., have converted their business into a private limited-liability company, owing to the fact that Mr. Sharp has been called up for military service.

**BOOTS CASH CHEMISTS, LTD.**, have purchased the stock, etc., of the late Alderman Shorrocks, chemist and druggist, Market Street, Darwen, and have transferred the business to their existing premises in the same street, to which the shop next door is to be added.

**CHARLES LANE & SONS**, 7 and 8 Idol Lane, London, E.C., advise that their senior partner, Mr. F. O. Lane, is to report for military service on June 12. As the firm's junior and only remaining partner, Mr. Maurice Lane, has been serving with H.M. Forces since the beginning of the war, a power of attorney has now been granted in favour of Mr. Frederick Lane, of Lane & MacAndrew, Ltd., 26 Great St. Helen's, E.C., and he will superintend the conduct of the business.

## Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

### QUALITATIVE ANALYSIS FOR JUNIOR STUDENTS.

A Mixture of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopoeia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture. Students' applications for portions of the mixture of salts (accompanied by a stamped and addressed envelope, marked "Corner for Students" on the top left-hand corner) will be received up to Tuesday, June 6, on which day the samples will be posted. Students' reports will be received up to Saturday, June 17. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

**SPECIAL NOTICE.**—The prizes will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact must be attested on their reports. Others may obtain specimens of the mixture of salts, and their reports will be separately adjudicated, but they will be regarded as *hors concours*. Correspondents who do not state that they are preparing for a qualifying examination will be included in the latter list.

## English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

### Drug-trade Appeal Fund.

As briefly reported in the *C. & D.* last week, p. 33, Mr. Charles Umney, F.I.C., F.C.S., presided at the meeting held in St. Bride Institute, London, E.C., on May 25. There were also present Messrs. C. B. Allen (Treasurer), J. G. Atkinson, William Johnston (Secretary), G. J. Knight, Peter MacEwan, E. Pickering, F. W. Truman, and W. P. Want. In the course of the proceedings, Mr. T. Tyrer, one of the Trustees, telephoned regret at his inability to be present. The annual report was taken as read. It dealt chiefly with the fact that during the year the investment in Consols, 657l. 9s. 7d., had been converted into 4½ per cent. War Loan, and, though this involved a capital loss, the income is better, as was shown by the balance-sheet. The net invested funds now stand at 549l. 16s. 4d. Mr. Umney commented upon the importance of the conversion of Consols into War Loan. The latter will be saleable at any time should a special appeal fall upon the fund, and he was confident also that if that arises the trade will respond nobly to any call that may be made. Mr. L. O. Johnson had assisted them much in this matter. Mr. Umney referred sympathetically to the death of Mr. G. T. W. Newsholme, explaining that he had written to Mrs. Newsholme at the time, and received from her a very touching acknowledgment. Mr. C. B. Allen, in seconding a resolution of sympathy, said that as one who had worked with Mr. Newsholme he knew how excellent a man pharmacy has lost in him. The report was adopted and the Trustees were re-appointed—namely, Messrs. Charles Umney, C. B. Allen, C. J. G. Bunker, Walter Hills, L. O. Johnson, and Thomas Tyrer—while Mr. W. F. Gulliver was elected a Trustee in place of the late Mr. Newsholme. A cordial vote of thanks to the Trustees concluded the proceedings, after which the company had tea together and the Trustees met, re-electing Mr. Umney as Chairman, Mr. Gulliver as Treasurer (succeeding Mr. Allen, who has been rather seriously ill lately, but has made a good recovery), and Mr. W. Johnston as Secretary.

### Birmingham.

It is proposed to establish a Radium Institute in Birmingham, in connection with the Skin Hospital in John Bright Street.

The dryness of the weather and the restrictions on the public-house have increased enormously the output of mineral waters.

The producers of surgical bandages, etc., in and around Birmingham are having a very busy time, frequent journeys to London with and for specification of such medical stores as they supply indicating that great pressure is being brought to bear upon their resources. In addition to high-pressure day-work, night-work and even Sunday-work are the rule.

Mr. W. Marshall Freeman, chemist and barrister-at-law, has been appointed Commissioner for Birmingham in connection with the scheme which relieves enlisted men who by undertaking military or naval duties are unable without serious hardships to meet their obligations in respect of rent, rates, taxes, etc. The first meeting was held on Monday (May 29) at the Labour Exchange, Corporation Street.

### Liverpool.

The scarcity of glycerin is hampering manufacturers of toilet articles, of which it is a chief constituent.

A large seizure of concealed opium by the authorities has been followed by its sale for manufacture in a form not available for smoking.

A fire was discovered at the Fleet Street mills of Evans Sons Lescher & Webb, Ltd., in the early hours of Tuesday and extinguished by the city fire brigade, the damage being slight, and not such as to cause any delay in business.

The Daylight Saving Act is being welcomed by pharmacists because of the rare pleasure of getting home before dark and of the chance of a short evening in the parks. A slight economy in shop and domestic lighting is also appreciated at a period of high prices, often delayed deliveries, and scant profits.

The military limitation of pharmacists to a single assistant will curtail the operations of the men in the larger way of business, while the cutting down of the ranks of those who can act in a *locum-tenens* capacity threatens to deprive most principals of their holiday. Men available for *locum* work can be counted on the fingers of one hand.

Club House, Bidston, where Mr. William P. Evans (President of the Liverpool Chemists' Association) was "at home" on Wednesday evening this week to members of the local Council, commands, in clear weather, a fine prospect, including North Welsh and the English Lakeland mountains, together with the Lancashire, Cheshire, and Welsh coast-line. Mr. Evans took a prominent part in saving Bidston Hill to the public.

### Sheffield.

Mr. A. Russell Fox, Castle Street, has been fined 10s. under the restricted lighting order.

Daylight saving has been a special boon to Sheffield pharmacists, as it just gives them the opportunity of visiting Derbyshire in the evening, and many are taking advantage of it.

The Secretary of the Pharmaceutical Committee has asked chemists or their assistants who are affected by the passing of the Military Service Act to send in their appeals to him at once, as they are to be dealt with by the Joint Committee in place of individual appeals.

### Miscellaneous.

**TENDERS.**—The Eton Urban Council has appointed Mr. C. J. Reid as chemist to the Council for the ensuing year.

**POISON-LICENCE APPLIED FOR.**—G. & A. Clark, Ltd., 85 Maison Dieu Road, Dover, have applied to the Town Council for a licence to sell horticultural poisons.

**WOMEN MEDICAL STUDENTS** at Cambridge are not to have the advantage of entering for the first and second M.B. examinations, as was expected by Girton and Newnham women.

**ADVERTISING ON TREASURY NOTES.**—The Treasury regards as highly objectionable the practice of stamping on genuine currency notes advertisements of individual firms or articles.

**THEFT.**—At the Old Street Police Court, London, E.C., on May 25, Henry Temple, motor-driver, and Francis Williams, packer and checker, both employes of Allen & Hanburys, Ltd., were fined 5l. each, or a month in default, for being concerned together in stealing eighteen tins of cocoa, the property of the firm.

**LUNCH-HOUR CLOSING.**—The chemists of Wrexham announce that, owing to the depletion of their staffs, their pharmacies will be closed daily from 1 P.M. to 2 P.M.—The members of the Merthyr Tydfil Pharmacists' Association announce that they will also close their pharmacies daily, except on Saturdays, from 1.15 P.M. to 2.15 P.M.

**POISONINGS.**—The following cases have been reported since our last issue: A Forest Hill child, who was suffering from whooping-cough, was given a quantity of coal-tar inhalant, in mistake for cough-mixture, and died the same night. A chemist-witness at the inquest referred to the difficulty in obtaining coloured poison-bottles.—A Sheffield cashier died from an overdose of veronal.

**LIGHTING REGULATIONS.**—At the North London Police Court on May 25, Albert R. C. Honiatt, chemist and druggist, Junction Road, was charged with showing too much light at his premises. It was explained by the police that defendant had provided a screen for two incandescent-burners, but it was not properly adjusted. Mr. C. H. Kirby said it was a purely accidental omission, the defendant having the same day received news of the death of his son. The defendant was bound over to comply with the regulations.

**OPTICAL TRADE COMMITTEE.**—At a meeting, on May 24, of this Committee, which was formed to advise and assist the Government in the recruiting of opticians and the supply of spectacles to soldiers, it was resolved to continue correspondence with the War Office in an endeavour to obtain a pronouncement that at least one qualified optician should remain in each sight-testing business. A meeting of the whole trade is to be held at the Holborn Restaurant on June 15, at 3 P.M., when Sir John Rolleston, Master of the Spectacle-makers' Company, will be in the chair.

**ROYAL INSTITUTION.**—Professor C. G. Barkla lectured on May 26, when he dealt with the problems of structure of the atom and electro-magnetic radiation in connection with  $x$  rays. The modern theory of the atom, as he summarised recent work, is that an atom is built up of a uniform sphere of positive electricity containing negative electrons, the aggregation and number of the negative electrons varying according to the element. The difficulty in the case of hydrogen, which is assumed to have but one negative electron, is that it seems impossible to credit such atoms with all the properties of hydrogen. It is therefore assumed that diameter of the positive sphere of the atom of this element varies. In regard to the radiation of  $x$  rays from various surfaces, the lecturer gave reasons for supposing that the "spectrum" of the rays varies with the source, and is in each case characteristic.

## Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

### Sale of Glycerin.

Mr. M. K. Watt, Hon. Secretary of the Aberdeen Pharmaceutical Association, has published an advertisement in the local newspapers warning the public of the conditions with which retail purchasers must comply before they can be supplied with glycerin. He has also notified the members that at a recent meeting of the Association it was resolved that on and after June 1 members of the trade in Aberdeen should comply with the request of the Ministry of Munitions regarding the sale of glycerin. It is now recommended that:

1. Glycerin and all toilet-preparations into which glycerin enters be not sold over the counter.
2. Glycerin be sold to physicians' prescriptions, or as a component part of such.
3. B.P. and B.P.C. preparations containing glycerin may be sold.
4. Requests for glycerin and ipecacuanha wine, or glycerin in home recipes for cough-mixtures, etc., be met by the suggestion that single syrup or syrup of tolu may be usefully substituted for the glycerin.
5. Glycerin mixed with fluid ext. of cascara may be sold when asked for.

Mr. Watt supplies members with a showcard measuring 12 in. by 10 in. regarding the sale of glycerin.

### Edinburgh.

The increased price demanded for aerated waters is helping to push the sale of citrate of magnesia and health-saline.

Second-Lieutenant J. F. Hinksman, of the Border Regiment, who has been wounded, is the only son of Mr. John Hinksman, chemist and druggist, Carluke.

At a meeting of the Insurance Committee last week, it was stated that on the domiciliary treatment of consumption 135 $\frac{1}{2}$  was spent on food and only 11 $\frac{1}{2}$  on drugs.

The Edinburgh and East of Scotland Section of the Society of Chemical Industry held a meeting on May 17 in the new laboratory of the North British Rubber Co., Castle Mills. Papers were read by Mr. B. D. Porritt and Mr. B. D. W. Luff, and afterwards the members inspected the laboratories.

### Glasgow and the West.

A petition from chemists and druggists of Glasgow to the Corporation to make a closing order for them, under Section 5 of the Shops Act, 1912, was considered by a Special Committee of the Corporation, who have agreed to instruct the Town Clerk to give public notice of the intention to make an order for the closing of chemists' shops at 8 p.m. on Mondays, Wednesdays, Thursdays, and Fridays, and 10 p.m. on Saturdays, for the sale of goods other than medicines and medical and surgical appliances. Tuesday is the half-holiday under the Act.

On a visit to Paisley last week our correspondent had a peep at the chemists' windows and reports as follows:

Mr. Angus Brown, 57 Neilston Road, has a display of Dr. Carter's liver-salt and bottles of effervescent saline.

Galbreath Bros., 92 Causeyside Street, have one window occupied with Allenburys' specialities, the other with Erasme and Invincible soaps.

Mr. R. T. McCowan, 8 High Street, gives prominence to Kruschen salts, and on the side shelves Buxton liver-salt and his own health-salts.

Mr. H. Stewart, 81 High Street, has an assortment of soaps, including "Wright's," with Iolma cream and Luce's Eau de Cologne in another part of the window.

Mr. William Sim, 43 High Street, has a large display of various kinds of Erasme soap backed by Rose shampoo-powders. A case in the doorway contains Euthymol tooth-paste.

Miss Helen Robb, 35 Well Street, has a dainty little window with Andrew's liver-salt and Duchesne toilet-soaps.

Mr. A. Fraser, 100 High Street, has a display of Rexall skin and toilet soaps and shaving-sticks.

Mr. T. Horne, 18 Gilmour Street, has a full window-display of "Sanaphos" in one window, and in the other he shows Phosferine and Ficolax.

The Magistrates' Committee of the Glasgow Corporation have reported to the Town Council that the poison-licences should be renewed to Austin & McAslan, 89 Mitchell Street; Peter Cockburn, 28 Milner Road, Jordanhill; Alexander Cross & Sons, Ltd., 19 Hope Street; Thomas Dagg & Sons, 16 Bath Street; W. Elliot (sometime Messrs. Elliot & McCallum), 243 Buchanan Street; Alexander Fergusson & Co., Ltd., 50 Ruchill Street; P. & R. Fleming & Co., 29 Argyle Street; M. Grav & Co., 13-14 George Square; Hay, Steven & Co., Maryhill; Kerr & Co., 63 Queen Street; W. Leighton (trading as Joseph Dobson), 36 Renfield Street; Macnaughton & Watson, Cattle Market;

Macpherson & Buchanan, Cattle Market; W. B. Nicolson, 166A Bath Street; the Oro Chemical Co., 12 York Street; John Poynter, Son & Macdonald, 72 Great Clyde Street; Pringle & Alexander, 17 Waterloo Street; D. G. Purdie, 6 Waterloo Street; James G. Swan & Co., Ltd., 80 Great Eastern Road; Williamson, Gemmell & Co., 263 Argyle Street; and Thomas Wyllie & Co., 98 Mitchell Street, because in the neighbourhood where each of the applicants carries on business the reasonable requirements of the public with respect to the purchase of such poisonous substances are not fully satisfied; and the Council granted the applications. Licences to assistants were also renewed.

## French News.

(From the "C. & D." Paris Correspondent.)

**COURAGE UNDER FIRE.**—M. Louis Papillaud, house-pharmacist at the Charité Hospital, Paris, has been cited as "showing constant courage in dressing numerous wounded under fire" at the bombarding batteries.

**ANALYSIS UNDER DIFFICULTIES.**—M. Charles Gerber, formerly a house-pharmacist of the Paris hospitals, was, just before the war, professor at the Marseilles School of Medicine and Pharmacy. He was mobilised in the Sanitary Service and recently obtained the War Cross for his "thorough zeal and devotion." The citation states that "he did not hesitate" (during the fighting in September-October last) "to search the field of battle for recently fallen asphyxiating shells, and went under heavy fire to take samples of spring-water for analysis before allowing troops to drink the water, the supply being very deficient at this point of the front."

**PRO PATRIA.**—When Maubeuge fell (in September 1914) many pharmacists from Northern France were mobilised as assistant-pharmacist-majors at that important fortress, and most of them were carried off to Germany as prisoners. Some of these have now returned from captivity—MM. Deblock, Lefebvre, and Lescœur, of Lille; Dutrieux, of Berlainart; and Soulayrac, of Sous-le-Bois. Others who have been "repatriated" from German prisons are M. Bauché of Paris (captured at Cambrai about the same time); M. Thomassin, of Conflans; and M. Ducres, of St. Germain; also two pharmacy students—MM. Deluard and Mazet.—M. Achille Cousin, pharmacist at Bouchain (Nord), has been mentioned in Orders of the Day for having "particularly distinguished himself when the Germans arrived at Maubeuge." He was mobilised as assistant-pharmacist-major at that time.—Gabriel Cazeneuve, sergeant of the 23rd Colonial Regiment, and son of the well-known Senator who is the President of the Pharmaceutical Group of the French Parliament, had already been seriously wounded and awarded the War Cross. He has now received the Military Medal—the "Victoria Cross" of the French Army.

## India and the East.

(From the "C. & D." Correspondents.)

**BUSINESS** is very brisk in Bombay among British retail chemists, and the loss of tourists' trade has been more than made up by the operations in Mesopotamia.

**OPIMUM.**—The Indian Government has decided to raise the price of opium sold at the Calcutta sales from the present minimum of Rs. 1,800 per chest to Rs. 2,500, with effect from July 1.

**JAPANESE GOODS** are being largely imported into India—not only chemicals, but many cheap lines that were formerly "made in Germany"; the quality of these goods is very poor, however.

**ACETIC ACID IN THE MALAY STATES.**—Mr. Paris, who, when resident in the Federated Malay States in 1913-14, obtained certain grants of exclusive privileges for an economical process for the manufacture of acetic acid, has been engaged since his return from England in developing his scheme and expects soon to have a plant working in the F.M.S.

**NEW INDIAN SPIRIT-TAXES.**—With further reference to the spirit-taxes mentioned in the *C. & D.* of April 15, we emphasise the fact that the preferential rate which was previously accorded to spirits contained in drugs, medicines, and chemicals has been withdrawn. Such spirits will now be taxed as "mixtures and other preparations containing spirits"—viz., at Rs. 14-10 per liquid gallon, if entered in such a manner as to indicate that the strength is not to be tested, and at Rs. 11-4 per proof gallon if tested.

## Legal Reports.

**A Packer's Injury.**—Judge Graham, K.C., gave his considered judgment in the Shoreditch County Court on May 25 in the claim, under the Workmen's Compensation Act, by Mary Leaning, of 8 Kemp Street, a packer, against Arthur Berton, Ltd., of 15-17 Worship Street, E.C. (C. & D., May 20, p. 55). The girl had been injured by a lift while packing surgical dressings. His Honour decided that the accident arose out of her employment, and awarded her 13*l.* damages, with costs on the "B" scale.

**Linseed-oil Contract.**—Mr. Justice Scrutton had before him, in London on May 25, a special case arising out of an arbitration relating to linseed-oil contracts. Donald Campbell & Co., St. Mary Axe, E.C., the appellants, sold to A. T. Solling & Co., of Rotterdam, under three contracts 200 tons of linseed oil for shipment to Holland—100 tons in March and 100 tons in April 1915. Certain trade points had been referred to arbitrators, and upon their report his Lordship now held that Messrs. Campbell had failed to prove anything which entitled them to cancel the March shipment contract, and must pay as damages the difference between the contract price and the settling price and the costs of the argument of the special case.

**Hematine Crystals: Subject to Arrival.**—In the Commercial Court of the King's Bench Division, London, on May 29, Mr. Justice Bailhache heard an action brought by Anthony Joseph Barnett, trading as R. L. Barnett & Co., Mincing Lane, E.C., against Javeri & Co., of Manchester, to recover damages for alleged breach by the defendants of a contract of September 24, 1915, to sell to the plaintiffs 4 tons of hematine crystals at 2*s.* per lb. ex Liverpool, "subject to safe arrival"—the goods to be forwarded from Liverpool to London. The defendants denied liability. After hearing evidence on both sides, his Lordship held that the defendants' contention could not succeed. Under such a contract the seller's obligation is to possess the goods and ship them; after that the clause "subject to arrival" covered loss in transit. He gave the plaintiffs judgment for 1,344*l.*, and costs, based on 3*s.* per lb. increase in the price of the goods.

**Importance of Syphon-record.**—In the Shoreditch County Court, before Judge Cluer, on May 31, Maurice Kingstone, a fruiterer, sued J. Edmunds & Co., Ltd., chemists, 33 High Street, Kingsland, to recover 2*s.* which he had deposited on a soda-water syphon, and which they refused to refund. Defendants' manager explained that if they knew the address to which a syphon was going it was entered in a book and no deposit was charged; if the customer was not known a charge of 2*s.* was made. This syphon was numbered 2,152, and was supplied for 8 Colveston Crescent, Dalston, with no deposit. He produced the shop-book as proof. His Honour said it was rather peculiar that this entry was made in pencil, whereas all the others appeared to be made in ink. The manager said that was merely a coincidence: if the book was examined other entries would be found in pencil. This syphon was booked out in August. The plaintiff said it might have been August, and Colveston Crescent was correct, as he had just moved from there to his present address. His Honour said in that case he had to rely on the documentary evidence of the defendants that no charge was made, and decided in their favour, with costs.

**Epsom-salt Contract.**—A Divisional Court of the King's Bench Division, composed of Justices Rowlatt and Sankey, on May 25 heard an appeal arising out of a contract for the delivery of Epsom salt by John Gibson & Co., Ltd., chemical-manufacturers, of Hulme, Manchester, to John Bright & Bros., Ltd., cotton-spinners, of Rochdale. Mr. Du Parc moved, on behalf of J. Gibson & Co., to set aside an award of December 8, 1915. The only point arising in the appeal was that the appellants contended that a dispute having arisen it should be referred, under the arbitration clause in the contract, to an arbitration, conducted by an arbitrator appointed on each side, and an umpire if necessary. The arbitration had been conducted by an arbitrator nominated by respondents, and the decision was in favour of John Bright & Bros. for the full total of the claim, and costs. The case for the appellants was that it was not a proper arbitration, because it was not according to law. The appellants had refused to nominate an arbitrator, and had received notice from the other side that they would proceed *ex parte*. The Court dismissed the appeal, with costs, holding that the appellants could test the validity of the award, and they might apply to the District Registrar at Manchester to direct an issue to be tried before a jury at Manchester Assizes.

## New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

ANZAC TRADING AND AGENCIES CO., LTD. (P.C.).—Capital 1,000*l.* Subscribers: E. G. Bourne and W. A. Ling. Secretary: E. G. Bourne, 6 Broad Street Place, E.C.

ADRIAN GRAY OPTICAL INSTITUTE, LTD. (P.C.).—Capital, 100*l.* The first directors are J. Koff, C. A. Cooper, and T. C. Bench. Solicitors: Rodgers, Gilbert & Rodgers, 4 Walbrook, E.C.

GALLOWAY ENGINEERING CO., LTD. (P.C.).—Capital 40,000*l.* Objects: To carry on the business of engineers, chemists, etc. The first directors are Major H. R. Alexander and R. H. Ballantine. R.O., Shakespeare Street, Dumfries.

REGENT TOILET CO., LTD. (P.C.).—Capital 400*l.* Objects: To take over the business of A. J. Bate and Constance I. Attwell ("Regent Toilet Co."), 8 Blenheim Street, W., manufacturers of and dealers in toilet preparations. A. J. Bate and Constance I. Attwell are the first directors.

FREDERICA HUDSON, LTD. (P.C.).—Capital 500*l.* Objects: To carry on the business of soap-makers, perfumers, chemists, druggists, manufacturers of and dealers in toilet requisites, etc. The subscribers and first directors are Mrs. M. F. H. Reid and Miss R. G. Collins. R.O., 125 High Holborn, W.C.

SANITÄTSGESCHÄFTES M. SCHAEERER A.G. (MAISON M. SCHAEERER S.A.) has been registered as a company incorporated outside the U.K. Capital, 1,000,000 francs. Registered in Berne, Switzerland, in 1908. Objects: To take over the business of manufacturers of medical and surgical requisites carried on by M. Schaeerer & Co., of Berne, Lausanne, and Brussels. British address: 41 Berners Street, W. A. Edwards, 9 Medley Road, West Hampstead, N.W., is authorised to accept service.

W. P. ADSHEAD & CO., LTD.—Mr. R. E. Clark, 17 Albion Street, Hanley, ceased to act as receiver or manager on May 22.

CASNER-KELLNER ALKALI CO., LTD.—The directors have declared an interim dividend of 9 per cent. for the six months to March 31.

WILKIE & SOAMES, LTD.—The capital of this soap company was reduced by Mr. Justice Astbury, on May 30, by writing off 125,000*l.* as capital not represented by available assets.

BRUNNER, MOND & CO., LTD.—The directors have declared an ordinary dividend for the year to March 31 of 27½ per cent. (less tax and the interim dividend), against 25 per cent. in the previous year.

## Deed of Arrangement.

**Taylor, Samuel**, 34 New Street, Lancaster, and Roseworth, Thorne, near Leeds, pharmacist; trustee, P. S. Booth, 2 Bixteth Street, Liverpool. Dated, May 25; filed, May 29. Liabilities unsecured, 831*l.*; estimated net assets, 260*l.* The following are trade creditors: Hirst, Brooke & Hirst, Ltd., 17*l.*; Evans Sons Lescher & Webb, Ltd., 130*l.*; J. Woolley, Sons & Co., Ltd., 28*l.*; Rimes & Co., 29*l.*

## Wills.

MR. OWEN DUDLEY HUSKISSON, manufacturing chemist, 6 Kingsgate Mansions, Red Lion Square, E.C., who died on April 22, left estate valued at 549*l.* 18*s.* 10*d.* gross, with net personality 474*l.* 10*s.* 1*d.*

MR. ABRAHAM SMALLCOMBE, chemist and druggist, Leighton Villa, Westbury, Wilts, who died on March 6, aged ninety-two years, left estate valued at 3,235*l.* 18*s.* 2*d.* gross, with net personality 2,058*l.* 18*s.* 6*d.*

THE LATE HENRY FEATHERSTON CHANCE, 44, Portland Court, Marylebone, W., formerly of 38 Brunswick Square, Hove, and a director of Chance & Hunt, Ltd., chemical-manufacturers, Oldbury, who died on January 27, aged fifty-seven years, left property of the value of 29,886*l.* 4*s.* 4*d.* gross and 29,316*l.* 12*s.* 8*d.* net.

THE LATE HENRY PRATT, J.P., of The Woodlands, Silverdale, Lancs, governing director of Compo, Ltd., left estate valued at 275,592*l.* 9*s.* 1*d.* gross, with net personality 245,016*l.* 2*s.* 6*d.* He left the Albert Works with the lands and premises, stock-in-trade, plant, machinery, and the goodwill and trade-marks to his two sons, Arthur and Henry. His widow, daughters, and other relatives are also beneficiaries.

## Births.

Authenticated notices are inserted without charge.

**BOOTH.**—At Surbiton, Surrey, on May 29, the wife of A. O. Booth (Dodge & Olcott Co.), of a daughter.

**GALBRAITH.**—At Carrickmacross, on May 22, the wife of W. J. Galbraith, Ph.C., of a son.

**MCGEORGE.**—At Nairobi, British East Africa, on April 12, the wife of Robert McGeorge, chemist and druggist (formerly of Edinburgh), of a son.

**PURSE.**—At 1 Laburnum Avenue, Durham, on May 23, the wife of A. H. M. Purse, pharmacist, of a daughter.

**REID.**—At Hollybush, Newmills, on May 29, the wife of William Reid, chemist, of a daughter.

## Deaths.

Authenticated notices are inserted without charge.

**ASHMEAD.**—At Bristol, last week, Mr. John Stubbs Ashmead, Ph.C., who for a number of years was with Ferris & Co. He passed the Minor examination in July 1878 and the Major in April 1880. At the funeral the mourners included Mr. H. L. Ashmead, Lieutenant F. R. Ashmead (sons), Mr. George Ashmead, Mr. H. Ashmead, Mr. A. E. Ashmead, Lieutenant-Colonel F. Ashmead (brothers), Mr. H. H. Townsend, Mr. C. Kenyon Townsend, Mr. C. E. Boucher, Mr. C. Bowman, Mr. J. Newell, and representatives of Ferris & Co.'s departments—viz., Messrs. R. H. Owen, A. Waite, H. King, I. Watson, H. White, H. Weekly, G. E. Hodges, W. Kent, A. Alvis, and F. Kerslake.

**DAVIES.**—At 238 High Street, Swansea, on May 25, Mr. John Myrddin Davies, chemist and druggist, aged sixty-three. Mr. Davies, who died after an illness extending over eighteen months, was the oldest pharmacist in business in Swansea. He leaves a widow, three sons, and a daughter. One of his sons, Lieutenant Trevor Davies, holds a commission in the 3rd Welsh Regiment, while another son is attached to the Motor Transport service.

**NICKSON.**—At 56 Broad Street, Ludlow, on May 19, Mr. James Nickson, chemist and druggist, aged eighty-one. Prior to taking over the business of Mr. Ladbury, nearly fifty years ago, Mr. Nickson was for seven years dispenser for the late Dr. Hodges. He was a prominent Freemason, and had for several years acted as a borough auditor.

**WAUGH.**—At 121 Great Clowes Street, Lower Broughton, Salford, Manchester, on May 18, Mr. John Waugh, chemist and druggist, aged sixty-seven.

**WILSON.**—At High Street, Boston, on May 21, Mr. Charles Jonathan Wilson, chemist and druggist, aged seventy-four. Deceased was formerly assistant with the late Mr. W. Lamplugh, of Boston, and subsequently went into business on his own account in West Street.

### Died on Service.

**DULLEY.**—In France, of broncho-pneumonia, on May 19, Corporal Cecil Dulley, eldest son of Mr. David Dulley, chemist and druggist, Cromer, aged twenty-one. Corporal Dulley had been in France for fifteen months.

**HAILE.**—Killed in action, on May 17, Kenneth Haile, son of the Rev. J. H. Haile, Merriott, Somersetshire, and apprentice with Mr. A. J. Franklin, chemist and druggist, Brighton, aged eighteen.

**THOMAS.**—Lance-Corporal Thomas Walter Thomas, of the Royal Inniskilling Fusiliers, who has fallen in action, served his apprenticeship with Mr. E. Ceredig Evans, J.P., of Cardiff, and later was assistant with Mr. O. T. Davies, of St. Margaret's, Twickenham, Mr. F. Evans, of Cwm-felin-fach (Mon.), and Mr. F. Evans, of Leamington. At the latter town he joined the 3rd Welsh Regiment, and was later transferred to the Inniskilling Fusiliers.

THE MEMORY of the late Alderman J. C. Coles, J.P., Ph.C., of Chippenham a former Mayor of the borough, is to be perpetuated by the placing of an oil portrait of the deceased in the Council-chamber.

**MR. J. E. O'NEILL, J.P.,** druggist, Maghera, has recovered from his prolonged indisposition, and has been welcomed back to his duties on the various public bodies in the county upon which he serves.

**SENIOR CORPORAL GILBERT WETHERILL,** who was an assistant with Taylors' Drug Co., Ltd., at 13 Market Place, Ripon, before joining the Expeditionary Force in April 1915, has been promoted to the rank of sergeant.

## Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

**MR. R. LORD GIFFORD, J.P.,** Ph.C., Blackburn, celebrated his sixty-first birthday on Saturday, May 27.

**MR. J. W. GOLIGHTLY,** chemist and druggist, Pudsey, is the new President of the West Yorkshire Federated Chambers of Trade.

**MR. R. WOOLLEY WALDEN, J.P.,** pharmacist, has been re-elected Chairman of the Metropolitan Asylums Board for the fourth year in succession.

**MR. P. F. ROWSELL, J.P.,** the prospective Liberal candidate for the division, has been elected a Vice-President of the Bridgewater Chamber of Commerce.

**MR. J. SPENCER PALMER,** chemist and druggist, Thornbury, has been elected President of the Traders' Association which was recently formed in the town.

**MISS B. ROCHEFORT,** dispenser with Dr. Harris, Whitehaven, has been appointed head dispenser at the Harwich Garrison Hospital under the Red Cross Society.

**SECOND-LIEUTENANT WILLIAM FAULKNER,** of the 12th East Lancashires, son of Mr. William Faulkner, pharmacist, Notting Hill, W., has been gazetted lieutenant.

A BIOGRAPHY of Mr. Frederick Bascombe, Ph.C. (Fletcher, Fletcher & Co., Ltd.), is given in the "Freemason's Chronicle" of May 27. Details of his Masonic career occupy most of the note.

**MR. ERNEST SANGER** (Sangers, 258 Euston Road, N.W.) was, at the meeting of the London County Council on May 30, co-opted a member of the Council to represent West Marylebone, in place of Lord Greville, who resigned a week or two ago. Mr. Sanger received a cordial reception from his fellow-members and was formally welcomed by the Chairman of the Council. Mr. Sanger is the principal partner in Sangers along with his brother, Mr. H. Sanger. His presence on the Council will be of distinct service to the drug-trade, which at one time had about half-a-dozen members on the Council, but most of them have retired, including Sir Richard Robinson, so Colonel Clifford Probyn will be glad of a new and younger colleague.



MR. E. SANGER.

**MR. NATHANIEL NEWBORN ARMITAGE, Ph.C.,** who has been elected President of the Leeds Chemists' Association, is a native of Hatfield, near Doncaster, where he was born on May 24, 1873, his father, the late Nathaniel Armitage, being a pharmacist who went to Leeds in 1884. With him the son was in due course apprenticed, and he passed the pharmaceutical Preliminary examination in 1889. He studied science at the Yorkshire College and the Leeds School of Science, entering for the South Kensington examinations, and in 1894 took first-class honours in practical inorganic chemistry, being bracketed first in all England. He went to the Westminster College of Pharmacy in 1895, taking medals in chemistry, pharmacy, botany, and materia medica, and passed the Minor examination in October 1895 and the Major three months later. He was a Council candidate in 1896, when he, Mr. W. Warren, Mr. A. S. Campkin, and Mr. G. S. V. Wills followed the successful fourteen. After short stays at Penistone and Cleckheaton, Mr. Armitage was with A. W. Greaves & Son, Chesterfield, for eight years, when he opened a pharmacy in South Leeds, which he carried on until his father died ten years ago, when he took over the business at 114 Tong Road, Armley, Leeds, selling his own pharmacy. Mr. Armitage is a thoroughly good worker in all pharmaceutical matters, and is respected by his colleagues as a critic and man of affairs, which this latest appointment proves.



MR. N. N. ARMITAGE.

# Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

## Stock Mixtures.

According to the Drug Tariff for England and Wales, a fee of 2.3d. (dispensing-fee and establishment-charge) is to be paid in respect to not more than ten liquid preparations, on the conditions mentioned in Part III. of the Tariff. The National Insurance Commissioners have now issued the following list of mixtures as agreed by the British Medical Association and the Pharmaceutical Society of Great Britain, or adjudged by the Commissioners to be capable of being stocked in bulk without deterioration. Prescribers should add to the title the letters "C. L.," unless the mixture is in the local Formulary, in which case the Formulary rule will apply:

<i>Mistura Acida Amura.</i>		<i>Mistura Effervescens.</i>	
Acid. hydrochlor. dil. 15 m.		Potass. bicarb. ... 20 gr.	
Inf. quassiae ad ... ½ fl. oz.		Aquam ad ... ½ fl. oz.	
<i>Mistura Acida Gentianæ.</i>		(If acid. tart. is used to neutralise, 15 gr. required. If succ. limonis is used to neutralise, 2 dr. required.)	
Acid. nitrohydrochlor. dil. ... 10 m.		<i>Mistura Expectorans.</i>	
Inf. gent. co. ... 120 m.		Ext. ipecac. liq. ... ½ m.	
Emuls. chloroformi, B.P.C. ... 5 m.		Ammon. carb. ... 3 gr.	
Aquam ad ... ½ fl. oz.		Tinct. camph. co. ... 15 m.	
<i>Mistura Acida cum Opio.</i>		Aquam ad ... ½ fl. oz.	
Acid. sulphuric. dil. 10 m.		<i>Mistura Ferri Aperiens.</i>	
Tinct. opii ... 7½ m.		Ferri sulph. ... 3 gr.	
Emuls. chloroformi, B.P.C. ... 5 m.		Magnes. sulph. ... 30 gr.	
Aquam ad ... ½ fl. oz.		Acid. sulph. dil. ... 5 m.	
<i>Mistura Alba.</i>		Aq. menth. pip. (ex conc. 1 to 40) ad ... ½ fl. oz.	
Magnes. sulph. ... 60 gr.		<i>Mistura Ferri Arsenicalis.</i>	
Magnes. carb. ... 10 gr.		Liq. arsenicalis ... 3 m.	
Aq. menth. pip. (ex conc. 1 to 40) ad ... ½ fl. oz.		Ferri et ammon. cit. 6 gr.	
<i>Mistura Ammoniac et Senegæ.</i>		Emuls. chloroformi, B.P.C. ... 5 m.	
Ammon. carb. ... 4 gr.		Aquam ad ... ½ fl. oz.	
Ext. ipecac. liq. ... ½ m.		<i>Mistura Ferri et Ammon. Citrat.</i>	
Ext. senegæ rad. liq., U.S.P. ... 10 m.		Ferri et ammon. cit. 7½ gr.	
Aquam ad ... ½ fl. oz.		Ammon. carb. ... 3 gr.	
<i>Mistura Astringens.</i>		Emuls. chloroformi, B.P.C. ... 5 m.	
Pulv. cretæ aromat. 20 gr.		Aquam ad ... ½ fl. oz.	
Pulv. catechu ... 15 gr.		<i>Mistura Ferri et Quassia.</i>	
Emuls. chloroformi, B.P.C. ... 5 m.		Liq. ferri perchlor. 15 m.	
Aquam ad ... ½ fl. oz.		Inf. quassiae ad ... ½ fl. oz.	
<i>Mistura Bismuthi.</i>		<i>Mistura Ferri et Strychnina.</i>	
Sodii bicarb. ... 15 gr.		Liq. ferri perchlor. 10 m.	
Bismuth. carb. ... 10 gr.		Liq. strychnina. hyd. 2 m.	
Emuls. chloroformi, B.P.C. ... 5 m.		Glycerini ... 10 m.	
Aquam ad ... ½ fl. oz.		Aquam ad ... ½ fl. oz.	
<i>Mistura Carminativa.</i>		<i>Mistura Gentianæ Alkalina.</i>	
Sodii bicarb. ... 15 gr.		Sodii bicarb. ... 10 gr.	
Magnes. carb. ... 15 gr.		Emuls. chloroformi, B.P.C. ... 5 m.	
Ammon. carb. ... 4 gr.		Inf. gentian co. ad ... ½ fl. oz.	
Aq. menth. pip. (ex conc. 1 to 40) ad ... ½ fl. oz.		<i>Mistura Gentianæ c. Rheo.</i>	
<i>Mistura Cascaræ Comp.</i>		Gent. rad. pulv. ... 5 gr.	
Ext. cascar. sag. liq. 20 m.		Rhei rhizoma pulv. ... 5 gr.	
Ext. nucis vom. liq. 1 m.		Zingib. pulv. ... 1 gr.	
Ext. belladon. liq. ... ½ m.		Sod. bicarb. ... 10 gr.	
Syrup. zingib. ... 60 m.		Ol. menth. pip. ... ½ m.	
Aquam ad ... ½ fl. oz.		Aquam ad ... ½ fl. oz.	
<i>Mistura Cinchonæ Comp.</i>		Triturate the powders together with the oil of peppermint and add the water gradually.	
Ammon. carb. ... 5 gr.		<i>Mistura Potassii Bromidi.</i>	
Ext. cinchonæ liq. ... 15 m.		Potass. bromid. ... 10 gr.	
Aquam ad ... ½ fl. oz.		Ammon. carb. ... 4 gr.	
<i>Mistura Colchici.</i>		Emuls. chloroformi, B.P.C. ... 5 m.	
Ext. colchicif. sem. liq., U.S.P. ... 4 m.		Aquam ad ... ½ fl. oz.	
Potass. bicarb. ... 20 gr.		<i>Mistura Potassii Iodidi.</i>	
Ol. limonis ... ½ m.		Potassii iodid. ... 5 gr.	
Aquam ad ... ½ fl. oz.		Aq. menth. pip. (ex conc. 1 to 40) ad ... ½ fl. oz.	
<i>Mistura Copaibæ.</i>		<i>Mistura Quinina.</i>	
Copaibæ ... 15 m.		Quinina sulph. ... 1 gr.	
Liq. potassæ ... 15 m.		Acid. hydrobrom. dil. 5 m.	
Aquam ad ... ½ fl. oz.			
<i>Mistura Diuretica.</i>			
Potass. acetat. ... 20 gr.			
Potass. nitrat. ... 20 gr.			
Succ. scoparii ... 30 m.			
Aquam ad ... ½ fl. oz.			

Emuls. chloroformi, B.P.C. ... 5 m.	<i>Mistura Stimulans.</i>	
Aquam ad ... ½ fl. oz.	Ætheris ... 10 m.	
<i>Mistura Sodæ c. Rheo.</i>	Ammon. carb. ... 4 gr.	
Pulv. rhei ... 4 gr.	Aquam ad ... ½ fl. oz.	
Ammon. carb. ... 3 gr.	<i>Mistura Tussis.</i>	
Sodii bicarb. ... 10 gr.	Diamorph. hyd. ... ½ gr.	
Aq. menth. pip. (ex conc. 1 to 40) ad ... ½ fl. oz.	Syr. tolu. ... 30 m.	
	Liq. coeci ... ½ m.	
	Aquam ad ... ½ fl. oz.	

These formulas are issued on a foolscap form, 158/I.C. We presume that each formula is for one adult dose. It occurs to us that deterioration of some of the mixtures by fermentation or bacillary action is unavoidable, but we presume that the Pharmaceutical Society has ensured that, e.g., mist. cascaræ co., C.L., and mist. diuretica, C.L., may be stocked in bulk—say, 40 oz.—so as to keep for a week or two. It would be well, therefore, if the Society described the conditions for these and other mixtures containing fermentable or otherwise changeable organic ingredients.

## Reports from Local Centres.

### ENGLAND.

**Cheshire.**—At the meeting of the Pharmaceutical Committee on May 24, a report was made in regard to the checking of chemists' accounts for 1915. The total amount of the accounts was 17,492l., which was reduced to 17,389l. after deducting overcharges and the price of articles which may not be charged to the Drug Fund. One chemist supplied Doan's pills on a doctor's prescription, and in other cases trusses and Gamgee tissue were supplied, although these are not included in the Drug Tariff. The report was approved. A report was made on the question of recruiting panel chemists, and, in common with other Committees, it was agreed not to hold an election during the continuance of the war.

**Great Yarmouth.**—At a meeting of the Insurance Committee on May 26, the Clerk reported that the average cost per script priced by the Prescription Bureau during the first three months of the year had been 6.28d. An 80-per-cent. advance to the chemists would be 5.03d. The Pharmaceutical Committee has agreed to accept a monthly advance of 5d. per script.

**Portsmouth.**—At the meeting of the Insurance Committee on May 25, it was reported that payments had been made to the chemists in final settlement of their accounts for the first four months of 1916. The rate of advance, 5½d. per script, had proved too high (C. & D., May 20, p. 67). Mr. Hollis (the Chairman of the Finance Sub-Committee) said there has been a large decrease in the number of prescriptions made up as compared with the same period last year, and the average cost has fallen from 8d. to 6d. It was also reported that the group system of pricing prescriptions had, so far as Portsmouth is concerned, shown that the work of pricing and of submitting statistical data to Panel Committees is going to prove far more costly than had been estimated. The staff of fifteen originally contemplated has now been increased to forty-five. Mr. Hollis, at a subsequent stage of the proceedings, said that at the last meeting of the Committee one of the medical members made a grave charge against the chemists. He wished to know if any inquiry is going to be made into that charge, or if it is going to be allowed to drop. The Chairman said the member who made the charge, undoubtedly a very grave one, was not present that evening, but he understood the charge had been withdrawn. He took it that when the member did attend he would do the right thing and make a public withdrawal of the charge.

**West Bromwich.**—The report of the Medical Benefit Sub-Committee which was adopted at the recent meeting of the Insurance Committee recommended the grant of double dispensing-fees for "after-hours" prescriptions.

### SCOTLAND.

**Aberdeenshire.**—At a meeting of the Insurance Committee, held on May 26, Major John Reisch submitted the report of the Medical Benefit Sub-Committee, which dealt with the question of applying for exemption of panel chemists from military service. It was decided to ask the military authorities to relieve all the panel chemists on the roll, but in regard to assistants the Committee recommended that the matter be left to the Tribunals. The report also referred to the fact that repeat prescriptions are no longer allowed, and that the doctors have now agreed to pay a third of the expense of checking. The report was adopted.

**Edinburgh.**—At a meeting of the Insurance Committee on May 25, the Panel Committee, reporting on the question referred to them as to what is considered equivalent to Nepenthe and Peptopancreine, recommended that, as both were proprietaries and disallowed, it should be left to the individual practitioner to choose a substitute. It was agreed to revert to the Committee's original decision of October 23, 1913, on the question of proprietary articles, and to inform the Bureau of the decision. The Superintendent of the Pricing Bureau wrote giving as his reasons for disallowing glycerin and rose-water that all articles which are not strictly intended for medicinal use are disallowed. The matter was referred to the Panel Committee. It was reported that an arrangement had been come to whereby all cases of chemists called up for military service should be submitted to the Military Representative of the Tribunal for recommendation. Up to the present, out of thirty-two cases submitted, eight had been regarded as not indispensable. The Military Representatives had expressed themselves as highly satisfied with the arrangements, and it was hoped that all cases would be amicably settled on the lines agreed upon. A list of emergency drugs and appliances to be submitted to the Commissioners for approval was drawn up as follows: 2 bandages open-weave, 4-yard rolls, 2-in. width; ditto, 3-in. width; ditto, 4-in. width; 3 bandages domette, 6 yards, 2½-in. width; ditto, 6 yards, 3-in. width; 1 roll gauze unmedicated, 36-in. width, 6-yard length; 1 roll gauze picric acid, 36-in. width, 6-yard length; ¼ lb. boric lint; ¼ lb. unmedicated lint; 1 lb. cotton-wool; ½ square yard gutta-percha tissue; 1 spool adhesive plaster at 1s.; 20 oz. liq. cresol. sapon.; ½ oz. carbolic acid; 2 oz. tincture of iodine; 1 tube of 16 hypodermic tablets acetomorphine hydrochlor., ½ gr., at 7d.; 1 tube ditto morphine sulphate, ¼ gr., at 7d.; 1 tube of 12 hypodermic tablets morphine sulphate, ½ gr., at 7d.; 1 tube of 16 hypodermic tablets strychnine sulphate, ⅓ gr., at 7d.; 1 tube of ethyl chloride; 1 spool adhesive rubber-plaster. A report was submitted containing the decision of the Commissioners on the dispute between the Committee and Mr. A. F. Dawson, chemist, on the question of the proper method of pricing capsules supplied to insured persons by the chemist under his agreement. One prescription was for three dozen capsules of iron and arsenic and the other for three dozen capsules guaiacol, and the Commissioners have found and declared that the proper prices for the prescriptions are 8½d. and 11½d. respectively, being a charge for each ingredient of the capsules according to quantity and value on the principle set forth in the first page of the Drug Tariff *plus* the appropriate dispensing-fee. On the basis of the chemist's contention the prices of each of the two prescriptions would be 1s. 9d. The Commissioners thought the Committee's method of pricing was the proper one, and adopted their figures. The decision relates to the general question of the method to be adopted in ascertaining the price of all capsules supplied to insured persons.

**Kirkcaldy.**—At a meeting of the Insurance Committee on May 26, a letter was read from the Commissioners drawing attention to the number of prescriptions, which is higher in Kirkcaldy than in any other area in Scotland. Mr. Walker said the public is suspicious that it is not getting the good value drugs. He did not think that any doctor has a right to recommend a patient to go to any particular chemist. Much has been said about the bankruptcy of the National Insurance Act, and if it is going bankrupt it is by the doctors prescribing wholesale.

#### WALES.

**Denbighshire.**—Chemists in this area have been paid their accounts in full up to the end of March, and a sum on account for the month of April was paid on May 15. During the quarter ended March 31 the number of prescriptions dispensed was 19,609 and the average cost 5.21d. The number dispensed and the average cost for the corresponding quarter in 1915 were 30,562 and 6.23d. respectively.

**Glamorgan.**—At a meeting of the Insurance Committee held on May 25, it was resolved to surcharge certain doctors for over-prescribing. It was reported that there are 138 doctors who have exceeded the amount allocated per insured person per year. In one case the amount was 5s. 5.17d., whereas the average cost in that area was 3s. 4.01d. The excess charge amounted to 34s. 7s. 8d. In another case the amount was 126s. 18s. 5d.

THE PANEL COMMITTEES of the twelve areas forming the N.E. Midland Pricing Bureau are joining in the compilation of a Panel Committee Pharmacopœia, hoping in this way to facilitate the work of pricing. It is possible that some of the stock prescriptions issued by the Commissioners may be included and adopted, as ten mixtures can be adopted carrying reduced dispensing fees.

## Trade Notes.

**PAINT-TINS.**—The Northern Tin Canister Works, 6 Mersey Street, Liverpool, are specialists in paint-tins. See their advertisement in this issue.

**NEWTON-MASON'S LINCTUS.**—Mr. A. E. Roberts, West Bromwich, offers to supply wholesale and export terms for Newton-Mason's horehound-and-linseed linctus.

**CREAM POWDER.**—The British Wheat Salts Co., Moseley Street, Birmingham, the makers of tartareum, call attention to this in their advertisement, and also to the Brumo brand cream powders.

**MIRRORS.**—Sangers, 258 Euston Road, London, N.W., have a mirror page in this issue. It is a suggestive page, as there is undoubtedly a great demand at the present time for pocket mirrors.

**SALTS OF AUVERGNE.**—Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton, offer this happily named salt for use in cases of gout, rheumatism, and obesity. It is packed in distinctive style.

**ELECTRO-MEDICAL LAMPS.**—The London Electro-Medical Supply Co., 61 Eden Grove, Holloway, London, N., are open to appoint chemists as their agents for electro-medical lamps as used by doctors and dentists.

**THOMAS GLOVER & SON.**—Mr. Vincent Wood, writing in regard to the paragraph in the *C. & D.*, May 20, p. 55, states that the partners in this firm other than those mentioned are Messrs. Wm. Brettell and Wm. B. Keywood.

**TIDMAN'S SEA-SALT.**—The price of Tidman's sea-salt has been raised as from June 1. In calling attention to this Tidman & Son, Ltd., state that the former prices will be reverted to so soon as market, transit, and labour conditions allow.

**POTTERS' CHEMICALS.**—Wengers, Ltd., Etruria, Stoke-on-Trent, manufacture and deal in all kinds of chemicals required by potters, glazed-brick makers, glassmakers, and metal-enamellers. Chemists in manufacturing districts should specially note this.

**FRAME FOOD.**—It will be observed that the Frame Food Co., Standen Road, Southfields, London, S.W., have revised the protected prices of their food and food jelly. The old retail prices for the food, 7d., 1s., and 3s. 9d., have been advanced to 8d., 1s. 3d., and 4s. 6d., and the food jelly from 10d. to 1s.

**COLLEEN SOAP.**—McClinton's Toilet-soap Works, Donaghmore, co. Tyrone, express their regret to the trade in regard to delays in delivery of McClinton's soaps and toilet-preparations, chiefly due to railway and steamship difficulties; but the Ministry of Munitions has promised much better transit facilities in future. In the meantime, any retailer can get from the firm an assorted parcel of 10 lb. at wholesale prices and free by post.

**ACETYSALICYLIC ACID.**—Pickard, Eve & Rankin, Ltd., Walmer Chemical Works, Notting Hill, London, W., are manufacturing aspirin at this address. It is a beautiful product, in perfectly colourless crystals, quite odourless, and conforming to the standards and tests of the British Pharmacopœia, 1914. The company are producing the acid in wholesale quantities, and they invite buyers to write to them for quotations. We have had it under observation for some time, and can say that it is a product upon which physicians and pharmacists can rely.

**MAY, ROBERTS & CO., LTD.**, London and Dublin, have issued a special list of alterations in prices, additions, etc., which have occurred since the publication of their general price-list in February. The importance of such a list is exemplified by a note added to "May, Roberts' Traveller," which states that since the list was sent to press bottle-makers have advised a 5-per-cent. increase in the prices of dispensing and larger sizes of poison-bottles. The list extends to forty-eight quarto pages, exclusive of supplements, and a copy can be obtained by any retailer who writes to May, Roberts & Co. for it.

A VALEDICTORY ADDRESS by Henry Jackson & Sons (Mr. J. C. Jackson), 29 and 31 School Lane, Liverpool, will be found in our advertising columns to-day. The retiring principal has received already over 100 letters from manufacturers and retailers, who write regretting his withdrawal and the recent illness which has led to this step. The founder of the firm lived to a ripe age, and when fourscore was in the weekly habit of surveying the whole stock, to accomplish which he had to scale an upright ladder and a steep staircase. His son, therefore, may hope for recuperation and healthful days to come.

## Observations and Reflections.

By Xrayser II.

### The Note on Dispensing for Dependants

which appeared here on May 13 has called forth communications from more than one correspondent, and, although they are "not for publication," they supply information worthy of notice. One correspondent complains that the note referred to was not half strong enough; he says the burden on many pharmacists is much heavier than would be supposed from the figures given. He does a good deal of this dispensing, in a fairly prosperous industrial neighbourhood, and declares that, apart from the loss of time from other employment, he loses money by it, and that, too, without getting any credit for his sacrifice. In many cases it is "no charity" to grant dependants these special terms; they are as well able to pay ordinary prices as most of their neighbours—indeed, sometimes better able; they come at most inconvenient hours and show no sort of consideration for the over-worked pharmacist; he does not ask for thanks, but apparently resents (I dare say with good cause) their independent attitude. Another correspondent, who also criticises the figures given, says that the number of these dependants' prescriptions is steadily declining. It is on all grounds to be hoped that they will continue to decline.

### The Inter-Relations

of the various N.H.I. Committees are not so well known to me that I can speak very confidently about them, but they appear to be such as are likely to cause friction at least between Panel and Pharmaceutical Committees. It is the latter which moves the Insurance Committee to inquire into cases of supposed extravagant prescribing, and perhaps necessarily so; certainly pharmacists have most reason to correct this evil. The doctors, on the other hand, have most apparent reason to prevent unfaithful dispensing on the part of pharmacists; is it they who move for inquiry into cases of this kind? They have every right to do so, but I should be sorry to think that the Pharmaceutical Committees left this duty to them. I don't know that they do, but I am sure that it is as much to our interest as theirs, as it is as much, or even more, our duty, to stop this evil too. We cannot be too jealous of our reputation, and in any suspected case of this kind the Pharmaceutical Committee should be the first to move for an inquiry. A reciprocal check is all very well, but it is liable to create ill-feeling and mutual distrust. It would be far better to show that we are both able and anxious to do our own policing.

### Marked Dispensing-bottles

are a luxury which war conditions are compelling us to do without, but there is no hardship in that. I remember a time in which there were no marked bottles, and the disfavour with which, on their introduction, they were received by the more old-fashioned and punctilious pharmacists. They are rarely, if ever, quite accurate, though sufficiently so, no doubt, in most cases. It is true that graduated slips of paper may be equally inaccurate if great care is not taken. The only real security against error is to affix the slip unmarked and then fill the bottle by successive doses, marking the slip as each dose is added. This should be done with plain water before the medicine is compounded, and it occupies more time than a 2½d. dispensing-fee will pay for. The best plan would be to revert to the old practice of ordering spoonful doses. The difficulty of obtaining marked bottles has already been brought home to the prescriber, but if he prefers the quicker mode of writing doses in "parts" I see no reason why these should not be converted into equivalent spoonfuls by the dispenser. Incidentally, this would assist the recommendation of graduated medicine-glasses, which afford the only really satisfactory means of measuring doses.

### The London Chamber of Commerce

has been considering the best way of dealing with enemy trade after the war, and has come to what will generally be considered the sane conclusion that tariff restriction is preferable to total

prohibition of import, which would not only prove impracticable, but would lead to the "swamping of neutral markets with enemy goods in competition with British and Allied productions." If the five years' "tentative tariff" suggested as an alternative to this were virtually prohibitive, it would no doubt have a similar result, but the advantage of a tariff is that it would vary in accordance with the character of the goods and the general conditions. The adjustment of its incidence to such goods respectively as we could or could not compete with Germany in producing, whether for our own use or for exportation, might not be easy, but it would not be impossible. That in some trades we shall not for many years be able to compete successfully our own business as pharmacists affords clear proof. In the production of fine chemicals we have an immense stretch of backwater to make up before we shall be abreast of our present enemies, and there are some industries in which their natural advantages must always give them the pull over us. It is vain to suppose that any "patriotic" considerations will permanently reconcile us or our Allies to such crippling conditions as prohibition or anything approaching it would entail. That protection of some kind will be needed by some of our newly established industries may be almost taken for granted, but it is still possible to hope that a ruthless trade war may be avoided.

### A Vendetta among Scientists

is a peculiarly unfortunate affair. It is quite true that the Germans themselves began it after the war commenced, but I had hoped that we had sufficient self-respect to prevent us embarking on an undignified retaliation. Hence I regard as most unfortunate the fact that the crusade against those Germans who are honorary members of the Chemical Society is not to be allowed to die a natural death. If Germans think that the situation demands this sort of thing, by all means let us leave them a monopoly of that form of kultur. In one respect the 93 against 91 vote is satisfactory, for it shows that the majority of the members of the Chemical Society are able to take a broad-minded view of what is to some people a very difficult position. What is discouraging is the attempt of the minority to prolong the agony in the hope of getting the vote reversed, for really this is what it comes to. I hope they won't succeed, for, the Society having decided not to adopt the original motion, it will only lead to needless unpleasantness if by some technical loophole the members are compromised and made to look ridiculous. The less recrimination we have the better, for when peace comes it will be all the easier to heal the sore places in both nations if we continue to preserve that serene equanimity that has so far characterised our treatment of individual Germans, whether as civilians or soldiers. We have all got to live in Europe after the war is over, and we are bound to have a certain amount (limited perhaps in comparison with the past) of commercial intercourse; and for the sake of humanity let us do nothing to hinder the renewal of scientific intercourse as well. For these reasons I hope that the whole matter will now be allowed to drop.

## Information Department.

### INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us at 42 Cannon Street, E.C.

232/3. London agents for Leeming & Co., manufacturing chemists, New York.	233/71. Goult's elastic knee-cap.
228/20. Tiffin tea.	235/3. Terry's pine and eucalyptus pastilles.
229/29. "Cellulosina" or "Cellulosina."	235/10. Marylebone cream (said to be a substitute for ordinary cream).
231/58. Gignoux perfumery.	235/3. Beta-naphthol; actual makers in Lancs or district.
233/60. Ung. saxeere.	

MR. CHARLES THOMAS WARD, chemist and dentist, Southwick, Sussex, has been returned as people's churchwarden at the parish church of St. Michael and All Angels, Southwick, for the twenty-sixth year in succession. During the whole of that time Mr. Ward has never missed a service.



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## Editorial Articles.

### Insurance Dispensing.

As was to be expected, the amount of dispensing under the National Insurance Act greatly decreased during the first quarter of this year, compared with the corresponding quarter of 1915. We observe that in one county south of the Tweed 19,609 prescriptions were dispensed during the first quarter of this year at a cost of 426*l.* 8*s.* 5*d.*, or an average of 5.21*d.* each, while in the same period of 1915 the number dispensed was 30,562, at a cost of 793*l.* 9*s.*, being an average of 6.23*d.* It is interesting to note that the very great reduction this year still leaves a deficit of about 5*l.* 5*s.*, and that may be taken as an index to the reduced contributions by men. The same thing has been observed in Scotland, although not to so great an extent. Mr. A. B. Gilmour, Superintendent of the Central Checking Bureau, Glasgow, gives us the following figures for the first quarters of 1915 and 1916:

	No. of Forms Allowed	Total Value	Average Value per Form
1915—			
January ...	242,245	£9,576 12 0½	9.48 <i>d.</i>
February ...	242,765	£9,600 14 8	9.49 <i>d.</i>
March .....	245,669	£9,799 13 8½	9.57 <i>d.</i>
	730,679	£28,977 0 5	9.51 <i>d.</i>
1916—			
January ...	160,570	£7,138 2 2½	10.66 <i>d.</i>
February ...	166,397	£7,348 18 7	10.59 <i>d.</i>
March .....	204,617	£8,946 9 5½	10.49 <i>d.</i>
	531,584	£23,433 10 3	10.57 <i>d.</i>

These figures show that there is a diminution of 27 per cent. in the number of prescriptions priced during the first quarter of this year compared with the first quarter of 1915, while the total value was reduced by 19 per cent. Enlistments account for a portion of this decrease, but it is believed that the adoption by the Scottish Insurance Committees of the Bureau's recommendations has helped to diminish the cost. These recommendations included:

- (1) The adoption of a uniform wholesale list for pricing ex-Tariff drugs.
- (2) The abolition of repeat prescriptions.
- (3) The prescribing of official and officinal drugs, chemicals, and preparations, instead of proprietary forms of these.

(4) The adoption of approved lists of emergency drugs and appliances suitable for the requirements of the various areas, and the disallowing of articles not on list and quantities in excess.

Considering that the cost of medicines has been largely increased since the war commenced, the decreased cost of Insurance dispensing is all the more notable, and we mention the advances which have taken place in the prices of a dozen of the most commonly prescribed medicines:

	Tariff Price Jan. 1915	Tariff Price Jan. 1916
Acid. acetylsalicyl. ...	s. d. 0 10½ per oz.	5 11½
Caffeina ...	2 7 per oz.	4 2½
Lin. methyl salicyl. co. ...	0 6 per oz.	2 0
Ol. morrhuae ...	1 0 per Imp. pint.	2 10
Phenacetin. ...	1 2 per oz.	6 8
Phenazon. ...	1 8 per oz.	8 8
Pot. permang. ...	0 2½ per oz.	0 6
Pot. bromid. ...	0 5½ per oz.	2 7½
Quin. sulph. ...	2 5½ per oz.	6 1
Sod. salicyl. ...	0 6 per oz.	2 1
Tab. phenacetin. ...	0 3 per doz.	1 3
Tab. phenacetin. co. ...	0 3 per doz.	1 3

It is remarkable that, in spite of the very great advances in prices, the average cost of medicines per insured person has only increased by one penny in Scotland.

### "Look to the Future."

THIS is the title of a pithy pamphlet for business purposes, which our Publisher has issued with the subtitle "A Note to the Drug, Chemical, and Allied Trades." He will send a copy of it to any business-house who asks him for it by post (42 Cannon Street, London, E.C.) or by telephone (Central, 3617).

### Whitsun Holidays.

THE arrangement made with munition-workers to forgo their Whitsun holiday was producing disquietude in other trades. We had conversations on Wednesday with a number of London drug-houses, and none were certain about what they would do, but all expressed the hope that someone would give a lead. The Government are doing that, and it will be seen from Mr. Asquith's statement (p. 44) that the Whitsun holidays are to be transferred to the August Bank Holiday, which will thus be Monday and Tuesday, August 7 and 8. Mr. Asquith's remark about workers who are "played out" by hard work will not be forgotten in the drug-trade.

### Military Service.

THE Military Service Act, 1916 (Session 2), which came in force on May 25, amends the Military Service Act, 1916, by extending compulsory military service to "every male British subject . . . ordinarily resident in Great Britain, and who for the time being has attained the age of eighteen years, and has not attained the age of forty-one years." The exceptions to this general conscription are the same as given in the principal Act (*C. & D.*, February 12, p. 47). So far compulsory military service has been applied to single men of from nineteen years of age only, whose claims for exemption and also those of attested married men have been considered by Local and Appeal Tribunals throughout the country. The new Act brings in young men from the age of eighteen and married men who have not attained the age of forty-one years before the appointed date—i.e., June 24. This means that a large number of persons engaged in the drug-trade will have to serve in the Forces or obtain exemption. The methods of obtaining exemption are the same as hitherto, the arrangements as regards chemists and their assistants being in charge of the Joint Committee of the Insurance Committees and Pharmaceutical Committees, who recommend cases of exemption to the military authorities. Chemists who come within the scope of the new Act should communicate with the Pharmaceutical Committee for their area, which Committee is already in possession of a statistical report as to the number of chemists and assistants needed to maintain an efficient pharmaceutical service for the district. In cases where the Local Tribunal

does not accept the recommendations of the Joint Committee the cases are referred to the National Health Insurance Commissioners for further appeal. The regulations under the Military Service Act, 1916 (Session 2), have not been issued yet, but a promise has been given in Parliament that there shall be in the regulations a special recommendation to Military Tribunals regarding single-handed businesses. There are many of such businesses in the drug-trade, and the regulation referred to should be useful when these cases are being considered by the Tribunals.

### Business Conditions in May.

EARLY in the month we noted in an editorial article that there was a decidedly easier feeling in most of the so-called fine chemicals and synthetic products obtainable from allied and neutral countries, this being due to the absence of demand. The reaction, which was also noted in the United States, has since continued both here and on the other side, and has become more marked as the month closed. Among the contributory causes to this set-back in prices is the fact that the shipments of chemicals and other produce to Russia have been severely curtailed, and during the month practically nothing has been shipped to Archangel except under special permission. As considerable purchases had previously been made on Russian account, this inability to ship gave rise to an uneasy feeling in certain quarters, and this led to the distinctly easier tendency all round, it being almost imperative that some of the smaller firms should turn their goods into cash, especially as Russia has suspended remittances. It cannot be said that the output of these fine chemicals has shown any adequate increase, but the extravagant figures which many of them had reached has checked speculation and the consumptive demand, so that for some time past nobody has bought beyond actual requirements. It is interesting to note that there is a steady increase in the output of coal-tar products, such as benzol, carbolic acid, aniline oil, beta-naphthol, and other derivatives, in the United States, in consequence of the erection of new plant, and this, in turn, has aided the downward movement. Another factor operating towards easier rates in the United States is the "peace talk" in that country, which by persistent reiteration has its influence on prices and makes buyers cautious. Among the products which have been reduced during the month we include amidopyrin, bromides, chloral hydrate, citric acid, cocaine, hexamine, lithium carbonate, menthol, methyl salicylate, paraldehyde, potassium permanganate, quinine, salicylates, salol, sulphonal, tartaric acid, thymol, vanillin, etc. On the other hand, the prices of phenacetin, the benzoates, guaiacol carbonate and liquid, resorcin, and coumarin were dearer during May. It will be seen, however, that the declines in value outnumber the advances, and we should not be surprised if this tendency continues as the year progresses.

## Acetylsalicylic Acid.

By Ernest J. Parry, B.Sc., F.I.C.

WHILE the loosely worded test of the British Pharmacopœia for this article is quite unsatisfactory, there can be no doubt that the melting-point has not been, as was recently alleged, fixed too high by that authority. The intensity of the ferric-chloride colour reaction is undoubtedly in more or less direct relationship with the depression of the melting-point, and, of course, with the amount of impurities present. An interesting series of experiments has recently been carried out by Tsakalotos and Horsch ("Bull. Chem. Soc.," 1915, 17, 401), who have attempted to study the rate of decomposition of acetylsalicylic acid in aqueous solution at 23°, 50°, and 60° the rate of decomposition being measured by removing 25 c.c. of the solution at given intervals and titrating it with 1.50th normal barium hydroxide. At 50° they also carried out a series of electrical conductivity measurements. In both cases the curves showed two minima, the times at which these occur being found to be dependent on the temperature. It appears to be generally assumed that the impurities and decomposition-products of acetylsalicylic acid are traces of salicylic acid and of acetic acid. But, although this

may be, and probably is, to a great extent true, there is little doubt that the matter is not quite so simple as that generally assumed. There is no doubt that in the course of the reaction by which some manufacturers prepare acetylsalicylic acid a secondary reaction goes on. Whether it be while in the nascent state only or not cannot be definitely decided, but the acetylsalicylic acid first formed in the reaction itself reacts upon unaltered salicylic acid forming a further substitution-product, acetylsalicylsalicylic acid, a product which probably decomposes in contact with water into aceto-salicylic and salicylic acids, the former in turn decomposing into acetic and salicylic acids. Hence the quantitative experiments of Tsakalotos and Horsch may well be considered indefinite, unless the acid experimented upon was free from acetylsalicylsalicylic acid. There is reason to believe that the true melting-point of acetylsalicylic acid is nearer  $136^{\circ}$ - $137^{\circ}$  than to any other figure, and that unless prepared by certain methods the impurities above indicated are exceedingly difficult, if not impossible, to eliminate.

## Patents for Australia.

SIR JOSEPH BEECHAM, Bart., presided at a meeting of the Proprietary Articles Section of the London Chamber of Commerce on Wednesday, May 31, when the proposed Australian legislation regarding the formulæ of proprietary medicines imported into the Commonwealth, as reported in the *C. & D.* last week (p. 39), was discussed. Sir Joseph outlined what has been done in the matter since Mr. Glover and Mr. Kenningham visited Australia nine years ago. He stated that the following reply cable had been received from Mr. R. Cullen Ward, of Sydney, N.S.W.:

"Senate nineteenth May passed Bill, No. 13, amending Commerce Act providing Governor may by regulations require registration imported medicines and foods, owners supplying Minister exact complete statement ingredients, submission approval printed matter, notification alteration composition, prohibit enclosure printed matter advertising another article, power taken disclose composition event prosecution. Bill not passed House Representatives. Parliament adjourned. Suggest make immediately strong protest Prime Minister High Commissioner London against formula disclosure."

The London manager of "The Chemist and Druggist of Australasia" has also received a cable explaining the position, viz.:

The Bill has been temporarily dropped, and only passed the Senate, and, as Parliament has adjourned, it has not yet been introduced into the House of Representatives. The Bill provides for the registration of all imported patent medicines and prepared foods. A complete and exact statement of the ingredients must be deposited, to be at the disposal of the Minister in the interests of the administration of justice. A declaration as to all ingredients will be required before importation is allowed. The approval of the Ministry must be obtained regarding all printed matter. Printed matter as an enclosure with packets is prohibited, excepting as referring to the actual article put up by the same manufacturer or proprietor.

Sir Joseph suggested that an effort should be made to see Mr. Fisher, the Commonwealth Commissioner, and Mr. Hughes, the Premier. Thereupon the matter was thoroughly discussed, among the speakers being Messrs. Farr, Glover, South, Kenningham, J. B. Robertson, C. B. Todd, W. B. Girling, and John S. Billing. Mr. McKenna (Solicitor to the Section) advised the meeting, and it was ultimately agreed to authorise the Special Committee to take certain steps in the matter, including a memorial on the subject to be presented to Mr. Hughes and to Mr. Fisher. It was suggested that a representative of food makers should be added to the Committee, and Mr. Billing agreed to join if called upon.

## Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

### MEDICAL ARRANGEMENTS IN MESOPOTAMIA.

At the instance of Mr. A. Chamberlain, M.P., a Commission of Inquiry has been appointed by the Indian Government to investigate the breakdown of the medical arrangements in that campaign and the shortage of medical supplies.

### SPRAYING-MATERIALS IN IRELAND.

The Department of Agriculture in Ireland, according to Mr. T. W. Russell, M.P., has been urging merchants and farmers to get their supplies of spraying-materials early, but is not in a position to take action to regulate the price at which they shall be sold.

### CO-OPERATIVE SOCIETIES AND INCOME-TAX.

It is the intention of the Association of Chambers of Commerce to press for an amendment to the Finance Bill providing that all trading concerns registered under the Industrial and Provident Societies Act shall be liable for income-tax in the same manner and at the same rates as if they were registered as limited companies under the Companies Acts.

### EXEMPTION OF SMALL TRADESMEN.

In the House of Commons, on May 30, Mr. Hayes Fisher said the new Regulations will be issued at once dealing with the question of serious hardship caused by the enlistment of men who are the sole heads of businesses. The Regulations will not be retrospective, but the same provisions will apply to voluntarily attested men. It would not be possible to undertake legislation unless strongly supported by retail traders for the closing of all retail shops at certain times to afford single-handed men an opportunity of rendering voluntary service in various directions.

### THE CONSULAR SERVICE.

The following, writes our Parliamentary correspondent, have been appointed a Committee by the Association of Chambers of Commerce of the United Kingdom to draw up recommendations for submission to Lord Robert Cecil, M.P., at the Foreign Office, as to changes which are thought to be desirable in the existing Consular service: Sir Algernon Firth (President), Mr. A. Shirley Benn, M.P., Mr. De F. Pennefather, M.P., Mr. Stanley Machin, Mr. A. M. Samuel (Norwich), Mr. C. E. Musgrave (Secretary of the London Chamber), Mr. G. H. Wright (Birmingham), Mr. Herbert Shaw (Newcastle), and Mr. R. B. Dunwoody (Secretary of the Association).

### NO BANK HOLIDAY ON WHITSUN MONDAY.

The Minister of Munitions, the President of the Board of Education, and the Financial Secretary of the Admiralty had a conference with Trade-union representatives at the Ministry of Munitions on Monday, as a result of which it was agreed that all holidays for munition-workers should be postponed until after the end of July. Following upon this, Mr. Asquith stated in the House of Commons on May 31 that the postponement will apply to holidays in the Royal dockyards and factories and other naval and munition establishments under Government management. The postponement will not diminish the total number of days' holiday customarily given under local agreement. The need for the postponement arises out of the requirements of urgent munition-work, but it has been strongly represented to the Government that, in order to give complete effect to the suspension of holidays in munition establishments and shipyards, it is desirable that the suspension should be as general as possible. The Government propose, by proclamation, to postpone the Whit-Monday holiday until Tuesday, August 8, and bankers are agreeable to this arrangement. It is fully recognised, Mr. Asquith added, that both in munition-works and in other trades it will be necessary that individual employes who are feeling the effects of overstrain shall in suitable cases be granted leave of absence, but it is in the highest degree undesirable that during the period referred to any holidays shall be granted which involve suspension of work in the establishment.

## Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

(From the "Trade-marks Journal," May 17, 1916.)

- Label with word "TRIUMPH," etc.; for an embalming disinfectant (2). By J. W. Bellarby, Blackpool. 372,049.
- Picture of pig, and word "CURE," for disinfectants (2); "ADIANTE," for goods (2 and 42). By W. Birch, 78 Bath Street, Birmingham. 372,230/1/2.
- "SULFEX"; for medicinal chemicals (3). By Menley & James, Ltd., Farringdon Road, E.C. 371,361.
- "SELTEX"; for medicinal chemicals (3). By E. Osborne, 2 Clewes Street, Withington, Manchester. 372,003.
- "CHYMOL"; for medicinal chemicals (3). By the Chymol Co., Ltd., 46A Holborn Viaduct, E.C. 372,202. (Associated.)
- "HEROGEN"; for medicinal chemicals (3). By The British Drug Houses, Ltd., 22-30 Graham Street, N. 372,251. (Associated.)
- "CURTAIN SERIES"; for medicated tablets (3), for unmedicated pessaries (11), and for toilet-powder (48). By F. B. Spencer, 3 Elm Road, East Sheen, S.W. 372,333/4/5.

## Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

**Vanillin Determination.**—According to Sacher ("Chem. Zeit.," 1915, II., 1027), vanillin in alcoholic solution can be quantitatively determined by titration with decinormal soda solution, using phenolphthalein as indicator; the end-point of the reaction is very sharp.

**Norwegian Turpentine Oil.**—Fosse ("Ber. Deut. Pharm. Ges.," 25, 303) has examined the essential oil obtained by heating the woody roots of the Norwegian pine and fir trees with sulphite liquor at a pressure of 6-8 atmospheres. The oil is a yellowish-brown liquid, boiling at 157°-160°, and having a specific gravity 0.8918 and optical rotation +7.8°. It contains terpenes, sesquiterpenes, resins, and sulphur-compounds of the mercaptan series. Dextropinene and sylvestrene have been identified with certainty.

**Citronellal Chemistry.**—The compound formed between citronellal and phosphoric acid, and termed citronellal-phosphoric acid, has been reinvestigated by Dodge ("Jour. Amer. Chem. Soc.," 37, 2756), and is found to be, in fact, isopulegol-phosphoric acid. It will, of course, be remembered that citronellal, in the course of acetylation, becomes converted into isopulegyl acetate, so that a corresponding change under the influence of phosphoric oxide is to be expected. This acid forms large monoclinic plates, melting at 181°-182°. Its potassium salt has the formula  $C_{10}H_{18}PO_4K \cdot 3H_2O$ . The sodium salt, when cautiously heated, decomposes with the formation of isopulegol.

**South African Drugs and Poisonous Plants** are dealt with in the "Bulletin of the Imperial Institute," xiv. 1, 27. The plants dealt with are *Senecio latifolius*; *Aecanthera vcnenata*, G. Don.; Cape slangkop (*Ornithoglossum glaucum*, Salisb.); *Homeria pallida*, Baker; *Crotalaria Burkiana*, Benth.; *Chailletia cymosa*, Hook.; bark and fruits of *Strychnos Henningsii*, Gilg; bark of *Gonioma Kamassi*, E. Mey; roots of *Mesembryanthemum Mahoni*, N. E. Br.; "Ntsema" root (*Raphionacme dicaricata*, Harv.); *Datura Stramonium*, Linn.; leaves of *Barosma venusta*, Eckl. et Zeyh.; tubers of *Kaempferia Ethela*, J. M. Wood, and other South African plants. [We may recall the fact that in 1908-10 a series of illustrated contributions on this subject from Mr. G. E. Oliver appeared in the C. & D.]

**Wood-turpentine Oil.**—Maxwell Adams ("J. Ind. Eng. Chem.," 7, 957) states that almost all the constituents of the oleo-resin of three varieties of Western American pine (*Pinus ponderosa*, *P. Jeffreyi*, and *P. monophylla*) are present in the wood-turpentine obtained from the corresponding wood. The oil derived from the wood of *P. monophylla* had the following characters: Specific gravity, 0.9702; refractive index, 1.4771; and optical rotation, +21.15°. It was found to contain *alpha*-pinene, *beta*-pinene, and cadinene. The essential oil from the Jeffrey wood pine contains from 90 to 95 per cent. of normal heptane, together with traces of limonene and possibly citronellal. The oil from the yellow-pine wood (*P. ponderosa*) had a specific gravity 0.8626, refractive index 1.4727, and optical rotation -13.15°. It contains limonene and *alpha*-pinene.

## B.P. Notes.

By "Abel Scholar."

*Lin. Pot. Iod. c. Sapone.*

This preparation received a place in the B.P. of 1867 at the instigation of Dr. Rumsey, a Cheltonian doctor, and member at that time of the General Medical Council. The formula was supplied to Dr. Rumsey by Mr. Nathaniel Smith, a well-known Cheltenham pharmacist. The preparation had been in general use in that town for twenty years previously. The formula contained a large quantity of spirit. Mr. Smith showed that hard soap, being made from a vegetable oil, does not answer well in making this liniment, and to make the directions clear he specified curd soap made from Russian tallow—an animal fat. The formula, except for the absence of spirit, remains as he modified it, and so does the method of manipulation. There is still wanting a word to make the *modus operandi* more effectual and to ensure the yield of a smooth uniform product. The solution of soap and glycerin in the water should be transferred to a *warmed* mortar. The method of warm-

ing the mortar is *not* to put it on a tripod with a Bunsen flame underneath, as did a candidate for examination, but to put hot water into the mortar, stir with the pestle, pour out the water, and well dry.

## Association Affairs.

**Birmingham.**—A meeting of local pharmacists was held at the Imperial Hotel on May 25 to consider the scheme arranged by the Birmingham Pharmaceutical Association for the dispensing of prescriptions for out-patients of the General Hospital. There was a good attendance. The President (Mr. E. W. Mann), who was in the chair, explained the details of the scheme and the negotiations between the Association and the Board of Management of the Hospital which led to its adoption. Advance copies of the suggested Pharmacopœia were shown. After an interesting discussion, a panel of about 200 pharmacists was formed, and the scheme is to be brought into operation on June 1. There was also a discussion upon the minimum-price scheme now working in Birmingham, and some apparent anomalies were explained by Messrs. Thompson and Lloyd, and some of the points dealt with by the recent Conference of Associations' delegates were elaborated and explained by Messrs. Thompson, Price, and Tranmer.

**Carnarvonshire.**—A meeting of the Carnarvonshire Pharmacists' Association was held at Bangor on May 24. Mr. W. G. Roberts (Llanfairfechan) was elected *President* in place of Miss Horniblow, who has resigned. Mr. D. A. Bryan (Penmaenmawr) was elected *Vice-President*. An account of the Local Associations Conference was given by Mr. W. A. Roberts and Mr. L. A. Coker, who were delegates from the Association. Afterwards it was decided that a meeting of the various Associations in North Wales should be arranged to consider combined action with regard to National Health Insurance service and the attitude to be taken up with regard to unprotected proprietary medicines.

**Ealing.**—The annual meeting of the Ealing Pharmacists' Association was held on May 23. After the annual report had been received, a presentation of a pair of silver candlesticks was made to the Secretary (Mr. Herbert Skinner) by Mr. Harrison on behalf of the members. Mr. Skinner suitably responded. The election of officers resulted as follows: *President*, Mr. A. A. Senior; *Vice-President*, Mr. Harrison; *Secretaries*, Messrs. Skinner and Norris; *Social Secretary*, Mr. A. Roberts. The Committee was re-elected *en bloc*.

**Edinburgh.**—A meeting of the local Chemists' Trade Association was held at 36 York Place on May 26. Mr. Adam Duncan (Chairman) presided. Mr. Henry Dryer, Bonnyrigg, was elected a member. Mr. G. Victor Wright being unable to undertake the duties of Secretary, it was unanimously agreed to appoint Mr. William W. Brown, 26 Haymarket Terrace, as Hon. Secretary. Mr. James Dick was elected Vice-Chairman in place of Mr. Brown, and Mr. Wright was elected a member of Committee. It was unanimously agreed that retail chemists should not sell less than 2d. worth of any drug or preparation, except in the case of 1d. packed goods; also that the trade within the area be so informed. Messrs. Dick, Dundas, and Nisbet having discussed the purchase of drugs in small quantities and other wholesale questions, the Committee was instructed to take up the points. It was arranged that at the next meeting a discussion on the pricing of drugs and prescriptions should take place.

**Leeds.**—The annual meeting of the Leeds Chemists' Association was held at the Albion Hotel on May 24, Mr. J. H. Beacock (Vice-President) in the chair. The annual report, which showed a large increase in membership, was read by the Hon. Secretary (Mr. H. Gilleghan) and adopted. The balance-sheet, presented by Mr. H. O. Eaton (Hon. Treasurer), showed an increased credit-balance. The officers were elected as follows: *President*, Mr. N. N. Armitage; *Vice-President*, Mr. J. H. Beacock; *Treasurer*, Mr. H. O. Eaton; *Hon. Secretary*, Mr. H. Gilleghan; *Auditor*, Mr. G. Jackson; *Council*, Messrs. J. Hayes, A. Rothstein, W. D. Pollitt, F. Pilkington Sargeant, Marriott, A. Win terbottom, H. Stringer, Roberts, and M. E. Murray. Mr. Gilleghan and Mr. Roberts having reported upon the proceedings of the Local Associations Conference, Mr. F. Pilkington Sargeant addressed the meeting regarding the relation of the Pharmaceutical Society to trade matters.

**London (N.).**—The annual meeting of the North London Pharmacists' Association was held on May 25, the President, Mr. A. W. Bromley, in the chair. A vote of condolence was passed with Mr. and Mrs. Honiatt on the

death of their son on active service. The following officers were then elected: *President*, Mr. C. W. Matthews; *Vice-President*, Mr. Hugo Wolff; *Treasurer*, Mr. Mumford; *Secretary*, Mr. Herbert Skinner; *London Secretary*, Mr. A. H. Jenkin; *Trade Secretary*, Mr. J. Hearle; *Auditor*, Mr. C. S. Addison. The vacancy in the ward officers was filled by Mr. Honiatt, and those on the Committee by Mr. Webster and Mr. A. W. Bromley. The annual outing was fixed provisionally for June 29.

**London (W.).**—The annual meeting of the Western Pharmacists' Association was held at the Restaurant Frascati, London, W., on May 25, Mr. A. R. Melhuish (President) in the chair. Reports of the Pharmaceutical and Executive Committees were given by the Secretary, and several ways of facilitating the work of chemists were suggested. It was decided that representatives of the Association should bring the matter up for consideration at the next meeting of the Pharmaceutical Committee. The President then gave a *précis* of the matters discussed at the Local Associations Conference. The Treasurer (Mr. H. Raithby Procter) submitted the financial statement, which was approved. It was agreed that the sum of five guineas should be subscribed to the Orphan Fund. The Secretary (Mr. W. E. D. Shirliff) then submitted his report for the year, in which he stated that the total membership is now 380. The report was adopted. The Social Secretary (Mr. C. Brooks) also reported on the social events of the year. Messrs. Edmund White, W. L. Garner, J. T. Barrett, H. S. Watson, and C. A. Noble were elected members of the Committee, and Messrs. J. P. Ellering and H. Martin were re-elected Hon. Auditors. Votes of thanks were given to the officers.

**Nottingham.**—The annual meeting of the Nottingham Pharmaceutical Association was held on May 24. The annual report and balance-sheet were received and adopted. The election of officers took place as follows: *President*, Alderman R. FitzHugh; *Vice-President*, Mr. C. E. Reynolds; *Treasurer*, Mr. H. P. Middleton; *Hon. Secretary*, Mr. A. Norweb; *Assistant Secretary*, Mr. E. E. H. Turton. The position of chemists under the Military Service Acts was considered, and it was decided to assist single-handed chemists as much as possible in obtaining exemption from military service.

**Thames Valley.**—A meeting of the Thames Valley District Pharmacists' Association was held on May 31 at the Scotch Café, Kingston-on-Thames. The chair was taken by Mr. C. Batty (Surbiton), in the absence, through illness, of Mr. Bunker, the President. Mr. Clement (Hampton) reported on National Health Insurance matters in Middlesex. Mr. Tims reported as to Surrey, and mentioned that sanction had been obtained for the payment of an extra fee of 6d. on all prescriptions marked "Urgent" and presented between 8 P.M. and 8 A.M. A long discussion then took place regarding the position of pharmacists towards the "Commercial" Tariff in the coming year 1917. Much dissatisfaction was expressed among those present as regards the prices now being paid, particularly for appliances, and the smallness of the amount charged for the establishment-fee. Mr. H. Skinner explained the present position of affairs, and Messrs. A. Higgs, J.P., Tims, Cherry, Palmer, Orry, Wellburn, and others spoke. A resolution was carried stating that the pharmacists on the present panel will reconsider their position for 1917 unless an increase in remuneration is effected. A discussion ensued on the uniformity of retail prices of patent medicines not on the P.A.T.A. list; it was decided that each district must act for itself in this matter. A resolution that all pre-war prices should be advanced 2d. was lost on being put to the meeting. A scheme for a minimum retail-list for drugs was also discussed.

**York.**—The annual meeting of the York Chemists' Association was held on May 25, Mr. W. P. Saville (President) in the chair. Mr. F. G. Hines reported on the Local Associations Conference, and information was given as to the position regarding the local Formulary. The following officers were then elected: *President*, Mr. T. P. Parker; *Vice-President*, Mr. W. P. Saville; *Treasurer*, Mr. J. A. Lupton; *Hon. Secretary*, Mr. T. C. Atkinson; *Committee*, Mr. T. E. Batty, Mr. W. Dewhurst, Mr. J. R. Parker, Mr. W. Bowness, Mr. F. G. Hines, Mr. W. P. Saville, Mr. M. F. Burgin, Mr. F. A. Newey. It was unanimously decided to send a donation of 5l. to the York County Hospital.

Mr. WM. McMULLAN, R.D. (Thos. McMullan & Co.), Victoria Street, Belfast, has been appointed on the Committee which will administer the Ulster Volunteer Patriotic Fund. This fund has been inaugurated to supplement the pensions of disabled soldiers and their families. It is hoped to raise a sum of 50,000l. for a start. Mr. McMullan has contributed 100l. to the fund.

## Australasian News.

"The Chemist and Druggist" is supplied weekly to all the members of eight Chemists' Societies in Australia and New Zealand.

### The Commonwealth.

ANZAC as a trade-mark in Australia is prohibited.

**PROHIBITED IMPORTS.**—By Proclamation, dated February 2, the homeopathic medicines manufactured at the general dispensary of Count Cesar Mattei, Palais Mattei, Bologna, Italy, may not be imported.

**WHOLESALE DRUG-HOUSES** in Australia have received inquiries from Vladivostok and from Moscow, and definite offers of orders for apothecary goods and drugs and chemicals if prices were right.

**BRITISH MANUFACTURERS.**—The annual report of the Australian Association of British Manufacturers and their Representatives has been issued. This deals with the incidence of the new Federal income-tax on British manufactures, the proposed new tariff, the sale of enemy goods, British preference, and other trade matters.

**ENEMY TRADE-MARKS.**—The "Gazette" of February 23 devoted twenty-three pages to a further list of enemy trade-marks the registrations of which are suspended in favour of the Minister of Customs (see *C. & D.*, March 25, p. 44). The trade-marks include a large number used by Germans for chemicals and drugs. The practical effect of the suspension of these marks is that three months after February 23 anyone found selling goods bearing any of the marks will be liable to prosecution, the penalty not to exceed 500l.

**NEW MANUFACTURES.**—Lanoline, said to be worth over seven millions a year to Australia and forty-five millions at the present prices, can be extracted from greasy wool at present exported from Australia. Mr. D. Melvin, manager of the Ballarat Woollen Mills, and Mr. J. H. Chambers have worked out a process of extraction and have asked for a protective tariff if they embark on the industry. The Minister for Customs said the Ministry would be very gratified if wool which is at present being exported in a greasy state could be treated in Australia. The manufacture of alkalies is to be undertaken by the Mount Lyell Mining and Railway Co., Ltd., who will utilise the cheap power derived from the Lake Margaret electric scheme. Caustic soda, soda ash, bicarbonate of soda, and other forms of alkalies to the value of about 110,000l. are imported into Australia annually.

### New South Wales.

Mr. H. S. BROTHWOOD has resigned his position as Councillor of the Pharmaceutical Society and a member of the Pharmacy Board. He has been connected with these bodies for many years, but is no longer able to spare the time needed for the work. Mr. Brothwood was on March 15 elected an honorary member of the Pharmaceutical Society in recognition of his services.

**PHARMACY BOARD.**—The Law Officers of the Crown have advised the Board that tincture of cantharidin is not a poison within the meaning of the Poisons Act (see *C. & D.*, December 4, 1915, p. 54). At the meeting of the Board on March 14, when this opinion was read, the view was expressed that a poison schedule which includes tincture of cantharides, but not cantharidin, requires amendment.

**MORE LEGISLATION.**—The Sydney Chamber of Commerce "Journal" states that the Chamber is co-operating with the N.S.W. Chamber of Manufactures in regard to a proposed alteration of the Poisons Act, with a view to placing the administration under the Board of Health with an Advisory Board. The Minister for Public Health states that he has a Bill already prepared for the amendment of the dentistry laws and the more rigid inspection of food and drugs.

### Victoria.

**METRIC SYSTEM.**—The Central Committee of the Metropolitan Association of Victoria has announced that lectures will be arranged for the benefit of pharmacists at the Melbourne College of Pharmacy on the use of the metric system in dispensing.

**MILITARY PHARMACISTS.**—The position of pharmacists in the Army is improving, said Captain D. A. Cossar at a smoking-concert of the Melbourne Chemists' Association. The military authorities are slowly awakening to the fact that the pharmacist has not been put to the highest use he is capable of. An order has been drawn up that no pharmacist in camp is to go to the Front except as a dispenser.

## Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

### 42 Cannon Street, E.C., June 1, 5.30 p.m.

BUSINESS shows a slight improvement this week, but the changes in value have been few and mostly of minor importance. The tendency of many of the fine chemicals is still downwards, these including acetyl-salicylic acid, the salicylates, cocaine, lithia carbonate, salol, sulphonol, tartaric acid, and vanillin. Apart from the auctions few changes have occurred in crude drugs. Gentian and chamomiles are scarce, nux vomica firm, and juniper-berries dearer. Menthol is lower; cod-liver oil is a dead-letter; opium and tragacanth are steady.

Higher	Firmer	Easier	Lower
Gamboge	Clove-leaf oil	Acetyl-sali-	Aloes (Cape)
Ginger	Sarsaparilla	cyclic acid	Antimony
(Jamaica)	(grey	Acid salicylic	(Ch. cr.)
Honey	Jamaica)	Citric acid	Cod-liver oil
Juniper berries		Cocaine	Ipecacuanha
		Lithia carb.	Menthol
		Rhubarb	Pimento
		Salol	Turpentine
		Sulphonol	
		Tartaric acid	
		Vanillin	
		Wax, Japan	
		(e.i.f.)	

### Cablegrams.

BERGEN, May 25.—The cod-fishing at Finmarken continues poor, and the market for finest Norwegian medicinal oil is quiet at 710s. per barrel c.i.f. terms.

BERGEN, June 1.—The cod-fishing at Finmarken remains poor; market for finest non-congealing oil is quiet at 650s. per barrel c.i.f.

NEW YORK, May 31.—Business in drugs is active at generally lower prices. Menthol has been reduced to \$3.00 per lb., and peppermint oil in tins to \$1.80. Guarana is cheaper at \$1.15, and Cartagena ipecacuanha has been reduced to \$2.25. Mexican sarsaparilla is lower at 10c., and scnega is cheaper at 41c. Buckthorn-bark at 70c. and arnica-flowers at 65c. per lb. are lower. Dandelion has advanced to 33c. per lb.

ACETANILIDE can be had at 3s. 9d. per lb. ACETYL-SALICYLIC ACID is offered at from 47s. to 47s. 6d. ALMOND OIL.—Sweet B.P. in 1-cwt. lots is quoted at 2s. 9d. per lb. from English pressers; foreign import is slightly less.

AMIDOPYRIN.—Sales have been made at 65s. per lb., and further sellers.

AMMONIA SULPHATE is dull at 15l. 15s. per ton net naked at works in London for 25-per-cent. ammonia for prompt delivery. Hull prompt (24-per-cent.) is 16l. 10s., Liverpool is 16l. 15s., and Leith is 16l. 15s. to 16l. 17s. 6d. per ton, less 3/4 per cent. in bags f.o.b.

ASAETIDA.—A case of small brown drop and block sold in auction at 97s. 6d. per cwt.

BARBITONE is very scarce at from 70s. to 72s. per lb.

BERGAMOT OIL has been easier of late, offering forward at from 14s. 6d. per lb. c.i.f.; spot value is about 15s. 6d.

BISMUTH SALTS.—The subnitrate is offered at 14s., salicylate at 22s. to 25s., and carbonate at 13s. per lb. net.

CARBOLIC ACID.—The spot price of 40° ice crystals from dealers is about 1s. 9d. per lb., but only small lots are available. The official price "naked" at the works is 1s. 6d. per lb., but supplies cannot be had without permission of the Ministry of Munitions.

CHAMOMILES are becoming very scarce, the value of fair white being about 150s., and medium brown, if obtainable, at about 137s. 6d.

CINCHONA.—The auction to be held at Amsterdam on June 8 will consist of 1,259 packages (651 bales and 608 cases) Java pharmaceutical bark, weighing 70,722 kilos., the quinine content being 1,821 kilos.

CITRIC ACID is steady at 3s. 9d. per lb. In auction 12 cases of B.P. crystals were limited at 3s. 8d. per lb.

CLOVE-LEAF OIL is firmer at from 4s. 3d. to 4s. 6d. per lb.

CLOVES.—Dull, with sellers of fair Zanzibar on spot at 6½d., May-July shipment at 6½d. c.i.f. d.w., and June-August delivery at 6½d. At auction five cases picked Penang were bought in at 1s. 2d., 22 bags Amboyna at 11d., and 119 bales (bags more or less stained) at 6½d.; 300 bales Zanzibar clove stems sold without reserve at from 1½d. to 1½d., being lower.

COCA-LEAVES.—The auction to be held at Amsterdam on June 8 will consist of 277 packages weighing 14,157 kilos., the total alkaloidal content being 212 kilos., the average percentage being 1.51.

COCAINE is again easier in dealers' hands, hydrochloride offering at from 22s. 6d. to 23s. per oz. less 5 per cent.

COCOA-BUTTER.—English is quoted at from 2s. 6d. to 2s. 8d. per lb.

COD-LIVER OIL.—Agents have reduced their quotations in several directions, and finest new Lofoten medicinal oil is offering at 600s. per barrel c.i.f., but even at the reduction it does not attract buyers.

GENTIAN continues extremely scarce on spot; 130s. has been paid for a small lot of cut.

GERANIUM OIL.—Bourbon is offered at 11s. per lb. net on spot.

GINGER.—At auction 78 bags new-crop Jamaica sold at higher prices, including good middling at 115s. and good common at 105s. to 107s. 6d.; 116 bags washed Cochin were offered, and 16 wormy sold at 40s., the remaining fair plump sound being bought in at 47s. 6d.

JUNIPER-BERRIES.—Italian are dearer at from 23s. to 24s. per cwt. c.i.f.

NUX VOMICA is firm, the spot value of Cochin being 28s. per cwt. The excessive freights from India considerably restrict business. In the drug-auction 83 bags of fair bold Bombay were limited at 26s. per cwt.

OLIBANUM.—Sales of fair drop have been made at from 59s. to 60s., good garblings at 37s., and fair 25s. to 29s. per cwt. In the drug-auction a fair quantity offered, but only 20 cases of siftings sold at 35s. The value of good drop is 60s., and for garblings 25s. is wanted.

OPHUR is steady, the spot value of druggists' being from 34s. to 35s. per lb. with very small supplies. Persian (10-per-cent.) is quoted at 24s. per lb.

PILOCARPINE.—Hydrochloride is very scarce at 21s. per oz.; makers say they will be unable to supply quantity for two months. Nitrate is readily obtainable at slightly below 20s.

PIMENTO is cheaper, with sellers at 3¾d. per lb. on the spot.

POTASH PERMANGANATE.—Small sales have been made at 7s. 6d. per lb.

POTASHES.—Sellers quote first Government brand Montreal at from 200s. to 210s. per cwt.

SALOL is offered at from 43s. to 46s. per lb. net as to quantity and seller.

SHELLAC is slow, with the usual standard TN quality offering at 92s. to 92s. 6d., good 93s., and fine 107s. 6d.; fine Orange is 120s. to 125s., fair free AC Garnet 89s.—all on spot.

SQUILL.—The *Bosphore* from Marseilles has brought 122 packages to a bare market.

TARTARIC ACID is easier at from 3s. 8d. to 3s. 9d. per lb. on the spot.

TRAGACANTH is steady, the supplies being quite equal to the demand. Exports permits are being freely granted in view of the adequate stocks.

TURPENTINE closes about 6d. cheaper at 41s. 9d. for American on the spot.

### London Drug-auctions.

Commercial Sale Rooms,

Mincing Lane, E.C., June 1.

At the monthly drug-auctions held to-day very little business was done, the bulk of the offerings being bought in. Cape aloes sold at a decline of 1s. to 2s. compared with private prices. Sumatra benzoin was practically unsaleable. Good Mangalore cardamoms met with a brisk demand at full rates, but Ceylon-Mysore tended easier in the absence of demand. Common calumba sold at cheap prices, and for dragon's-blood rather lower prices were paid for inferior. Fine Siam gamboge pipe, being extremely scarce, brought famine rates. Jamaica honey was not freely offered, and a further substantial advance was paid. Ipecacuanha was flat and lower, Cartagena being 6d. to 9d. cheaper, and lower prices would be accepted for

Johore. Kola sold at steady prices, and for damaged menthol low prices were paid. Nux vomica is steady, and for rhubarb prices tend easier. Grey Jamaica sarsaparilla was rather dearer, and full prices were also paid for native Jamaica, which is scarce. Lima sold at previous prices. Tinnevely senna brought firm rates, and for squill rather lower prices were accepted. Beeswax was in much better demand at generally firm rates.

The following table shows the quantity of goods offered and sold:

Offered Sold		Offered Sold	
Aconite (Jap.).....	35 ... 0	Ipecacuanha—	
Agar-agar.....	13 ... 0	Cartagena.....	18 ... 1
Ajowan-seed.....	67 ... 0	East Indian.....	28 ... 0
Albumen.....	8 ... 8	Matto Grosso ...	14 ... 0
Aloes—		Minas.....	4 ... 0
Cape.....	134 ... 46	Kola.....	94 ... 94
Socotrine.....	5 ... 0	Laurel-leaves.....	73 ... *5
Zanzibar.....	7 ... 0	Liquorice-juice ...	10 ... 0
Apricot-kernels ...	24 ... 24	Liquorice-root.....	9 ... 0
Areca.....	11 ... 0	Mastich.....	10 ... 10
Argol.....	11 ... 0	Menthol.....	24 ... 19
Asafetida.....	10 ... 1	Mint oil (Jap.)... ..	10 ... 10
Balsam tolu.....	20 ... 0	Myrrh.....	38 ... 5
Belladonna-root... ..	5 ... 0	Nux vomica.....	143 ... 0
Benzoin—		Olibanum.....	528 ... 20
Siam.....	19 ... 0	Orange-peel.....	37 ... 2
Sumatra.....	242 ... 1	Orchella-weed.....	30 ... 0
Buchu.....	19 ... 0	Orris (Mog.).....	8 ... 0
Calumba.....	221 ... 140	Podophyllum-root..	10 ... 0
Camphor ref.....	65 ... 0	Poppy-seed.....	84 ... 0
Cantharides (Ch.)..	10 ... 0	Quillaia.....	65 ... 0
Cardamoms & seed	142 ... 40	Rhubarb.....	107 ... 8
Cascarara sagrada ..	693 ... 0	Sandalwood chips ..	60 ... 0
Casein.....	70 ... 0	Sandarac.....	15 ... 0
Cashew-nuts.....	393 ... 0	Sarsaparilla—	
Cassia fistula.....	25 ... 0	Honduras.....	13 ... 13
Castor oil.....	100 ... 0	Lima.....	35 ... 15
Chinetta.....	5 ... 0	Native Jam.....	9 ... 9
Citric acid.....	12 ... 0	Scammony-root.....	20 ... 20
Cochineal.....	16 ... 0	Seedlac.....	50 ... 0
Colocynth.....	4 ... 0	Senega.....	8 ... 0
Croton-seed.....	17 ... 0	Senna and pods—	
Cubebs.....	32 ... 0	Alex. and Mecca ..	72 ... *11
Cuttlefish-bone ..	121 ... 5	Tinnevely.....	193 ... 61
Dill-seed.....	125 ... 125	Squill.....	16 ... 16
Dragon's-blood.....	62 ... 5	Tamarinds (E.I.)... ..	67 ... 0
Egg-yolk.....	12 ... 0	Turmeric.....	358 ... 50
Elemi.....	57 ... 0	Wax (bees')—	
Ergot.....	9 ... 0	Abyssinian.....	50 ... 15
Galls.....	6 ... 2	Benguela.....	43 ... 0
Gamboge.....	10 ... 3	East African.....	165 ... 165
Golden seal.....	1 ... 0	East Indian.....	181 ... 0
Gum acacia.....	219 ... 0	Italian.....	7 ... 0
Honey—		Jamaica.....	9 ... 9
Hawaiian.....	277 ... 0	Madagascar.....	20 ... 20
Haytian.....	30 ... 30	Morocco.....	17 ... 0
Jamaica.....	199 ... 199	Mozambique.....	182 ... 182
San Domingo ...	28 ... 28	Wax (Japan).....	18 ... 0

\* Sold privately.

ALBUMEN.—Three cases of Chinese egg sold at 2s. 9½d. per lb., and five cases at from 2s. 3d. to 2s. 6d.

ALOES.—Cape sold at a decline of 1s. to 2s. per cwt. on private rates: Good bright hard firsts, 44s.; fair seconds to good seconds, slightly drossy, 41s. 6d. to 42s. 6d.; ordinary dull seconds, 41s.; very drossy, 41s. per cwt.

APRICOT-KERNELS.—A lot of 24 bags sold without reserve, being more or less damaged, at 20s. per cwt.

BALSAM TOLU.—The limit for fair softish quality is 1s. 7d., and for a pile of 10 cases 1s. 6d. would be accepted.

BENZONIN was almost a dead letter; a case of common Sumatra country-cut sold at 5l. 12s. 6d. per cwt.

CALUMBA sold rather cheaply, 27s. 6d. per cwt. being paid for common dull slightly mouldy and wormy sorts; country-damaged went at 20s.

CAMPOR.—A lot of 55 cases damaged Japanese refined camphor sold without reserve, with all faults on underwriters' account, at 1s. 1d. (one lot 1s. 1½d.) per lb. for 2½-lb. slabs. Five cases of ¼-oz. tablets were limited at 2s., and for 10 cases 1-oz. tablets 1s. 9d. is wanted. Privately, Japanese remains steady, with sales of 2½-lb. slabs on the spot at 1s. 8d.; May-June shipment at 1s. 7½d., and September-October at 1s. 9d. c.i.f.

CANTHARIDES.—The value of fair Chinese is from 4s. 9d. to 5s., as to holder and quality.

CARDAMOMS.—Ceylon-Mangalore sold with good competition at generally steady prices, but Ceylon-Mysore tended easier. Mangalore extra bold fine pale round sold at 5s. 8d. to 5s. 10d.; good bold pale, 5s. 4d. to 5s. 5d.; bold and medium pale, 4s. 10d. to 5s.; medium, 3s. 9d. Ceylon-

Mysore extra bold pale, 4s. 3d.; bold ditto, 3s. 6d. to 3s. 10d.; medium to bold, 3s.; dull medium, 2s. 5d.; small dull, 1s. 8d. to 2s.; splits and pickings, 1s. 2d.

CHIRETTA is selling privately at 7½d. per lb., this being the price for five bales in auction.

CUTTLEFISH-BONE.—Five bales of fair East Indian sorts sold at 6½d. per lb.

DILL-SEED.—Two lots, consisting of 125 bags, sold at from 26s. to 28s. for fair East Indian.

DRAGON'S-BLOOD.—Five cases of common slab sold without reserve at from 65s. to 70s. per cwt.

GAMBOGE brought extremely high prices, a pile of ten cases being offered, of which three sold at 25l. per cwt. for clean Siam pipe of good bright orange fracture.

HONEY sold at again higher rates, especially Jamaica, of which 199 barrels offered. Fine pale set sold at 62s., good pale set, 53s. to 57s. 6d.; fair amber liquid and setting, 55s.; ordinary to fair brown set and setting, 47s. 6d. to 50s.; brown sugary set, 45s. 6d.; dark liquid, 45s. 6d. to 47s. 6d. Of San Domingo 28 barrels sold at from 50s. to 60s. per cwt., and 30 barrels Haytian realised 52s. to 54s. for ullaged to fair palish brown set.

IPECACUANHA is flat and lower. For 28 bales native picked East Indian offered, all more or less greyish, there was no response to a suggestion of 10s. from the broker, and the price did not transpire. Of Matto Grosso nothing was sold, but 16s. will readily buy fair quality. A single bale of fair dull grey Cartagena sold at 10s. 6d. per lb., a reduction of fully 6d. to 9d. on private prices.

KOLA was steady, a lot of 94 bags selling at from 6d. to 6½d. for dark Java halves. Small dark halves sold at from 4d. to 4½d. Of West Indian, five bags sold at from 5½d. for slightly mouldy to 6½d. for fair dark halves.

MASTICH.—Ten cases fair tear realised 2s. 1d. per lb.

MENTHOL.—In auction 19 cases of Yazawa sold with all faults without reserve for account of whom it may concern at 9s. 6d. to 10s. 3d. for sound, 7s. 3d. for slightly damaged crystals, and 4s. 10d. to 5s. for damaged crystals. Privately, sellers of Kobayashi-Suzuki for June-July shipment quote 11s. and oil at 3s. 6d. c.i.f.

MINI OIL.—In auction 10 cases of Suzuki sold without reserve at 3s. 8d. per lb.

MYRRH was steady, five bales of small, partly blocky Somali character selling at 60s. per cwt.

ORANGE-PEEL.—Two cases of partly sea-damaged Tripoli strip sold at 9d. per lb., and the prices of sound varied from 1s. 9d. to 2s.

PODOPHYLLUM-ROOT.—For 10 bags 56s. per cwt. was asked. RHUBARB.—Quiet. Five cases of medium to bold round horny High-dried, with half-pinky and half-dull fracture, sold without reserve at 7½d. per lb. Two cases of medium to bold flat Canton, with three-quarter pale pinky fracture, also sold without reserve at 1s. 8d. On the usual conditions one case of small round and druggists' trimming Shensi root, with three-quarter good fracture, sold at 3s. 9d. per lb.

SARSAPARILLA.—Grey Jamaica, being scarce, sold at a slight advance, fair, a little coarse, selling at 1s. 10d., and ordinary, part coarse, at 1s. 9d. Of Honduras, 13 serons offered and sold at from 1s. 7d. to 1s. 8d. for lean and woody to good, and 1s. 7d. for slightly mouldy. Of Native-Jamaica only nine bales offered, and sold at from 1s. 1d. for fair red and 1s. for dull red mixed, these prices being fully steady. Lima brought steady prices, nine bales of more or less mouldy to fair selling at from 1s. 5d. to 1s. 7d. per lb.

SCAMMONY-ROOT.—Twenty bags of Mexican, testing 12 per cent. of resin, sold at 5½d. per lb.

SENNA.—Tinnevely sold at very firm rates, being scarce; 36 bales realised 1s. 0¼d. to 1s. 0¾d. per lb. for good small greenish, from 9¾d. to 11¼d. for ordinary small to fair greenish, and 7d. to 8¾d. for low yellow to common yellowish; 10½d. was wanted for pods. A lot of 33 bales of Mecca senna, catalogued as Alexandrian, were bought in at 1s. 2d. A bid of 2s. 3d. was refused for good green bold Alexandrian leaf, and 18 bales of good pale Alexandrian pods were retired at 3s. For a bale of ordinary Mecca pods 2s. was paid; 10 bales of siftings had been sold privately.

SQUILL.—Sixteen bales of ordinary brown sold at 75s. per cwt., subject to seller's approval, no discount, gross for net.

TURMERIC.—Fifty bags of fair Madras finger sold at from 40s. to 43s., and sea-damaged at 40s. per cwt.

WAX (BEES') sold at firm rates, including fair brown Jamaica at 8l., and for 182 bales of Mozambique from 7l. 7s. 6d. to 7l. 10s. was paid. Fifteen bags of partly drossy Abyssinian block sold at 7l. 7s. 6d. Of Madagascar, 20 mats of fair block sold at 7l. 7s. 6d., and for 165 packages of East African from 7l. 7s. 6d. to 7l. 10s. was paid.

## Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets, under date of May 6 to 10:

**ALBUMEN.**—Egg is offered at from m.19 to m.20 per kilo. **AMMON. CARB.** is offered in large quantities. Contracts are being made at from m.155 to m.165.

**BORAX AND BORIC ACID.**—Some large quantities, which appear to come from Warsaw, have been offered; m.550 is asked for borax, and m.820 per 100 kilos. for boric acid.

**BROMINE PREPS.**—The Bromine Convention having been dissolved, a considerable decrease in prices of bromides took place, and values are expected to decline further. In Holland the price of sodium bromide has suddenly fallen from fl.37.50 to fl.12 per kilo.

**CASCARA SAGRADA.**—Old bark is from m.340 to m.350.

**CHLOROFORM** has been advanced again, and is, from m.450 to m.470 per 100 kilos.

**CITRIC ACID** is slightly firmer again, in consequence of the hotter weather. From m.15 to m.15.50 per kilo. is quoted.

**GUM ACACIA.**—Natural Kordofan has become extraordinarily scarce during the past few weeks and the price has considerably advanced, especially for the cheaper natural sorts. The white soft is still offered, but prices have also advanced considerably.

**JALAP**, which has been neglected for a lengthy period, has now been sold in large quantities. The price is practically the same at present as it was before the war, but now it is expected to advance.

**KOLA** has considerably advanced in price, in consequence of active demand.

**LITHIUM SALTS** have been advanced in price, especially the carbonate. Pure carbonate is from m.40 to m.42 per kilo., and the purest from m.50 to m.52.

**LYCOPodium** is quoted at from m.11.50 to m.12 per kilo.

**MENTHOL** for prompt delivery is quoted lower at from m.50 to m.50.50 per kilo.

**OILS (ESSENTIAL).**—The stocks of genuine Russian *Anise* oil are cleared completely. German is still offered in small quantities at from m.25 to m.26 per kilo. *Star Anise* is still quoted at m.18 per kilo. *Bergamot*, first "Reggio": Italy appears to have sufficiently large stocks, but in Germany the oil is scarce, and very difficult to import. From m.48.50 to m.50 per kilo. is asked. *Dutch Caraway*, twice rectified, has advanced considerably in consequence of the advance in seed in Holland, the high value of the "gulden," and the small quantity of oil-yield from the fruit; from m.23 to m.24 per kilo. now. *Clove* has advanced to m.30 per kilo., and is expected to advance further. *Eucalyptus Globulus*: Importation is impossible, and, in consequence of active demand, stocks are diminishing rapidly; prices have advanced to from m.8.50 to m.9 per kilo. for genuine. Galician *Fennel* oil cannot be had this year, and the oil has advanced from m.24 to m.26 per kilo., according to quantity. Ceylon *Lemongrass* is m.7.50. Japanese *Mint* is firm; American is very scarce in Germany, there having been no arrivals for several months. Twice rectified is m.30 to m.34 per kilo.; prices are expected to advance further. Siberian *Pine-needle* has advanced to m.7.50 per kilo. *Sandalwood* is quoted at m.63.

**OLIVANUM.**—Demand is increasing at from m.1.20 to m.2.00 per kilo., according to quality.

**OPIMUM AND ALKALOIDS.**—Opium is offered in large quantities, but the price asked is too high for business to be done; the public is making use of it as an article of speculation. In commercial circles opium business is quiet; the actual quotation is about from m.55 to m.60 per kilo. of 10-per-cent. opium. The stock in Constantinople appears to be 622 cases, against 442 cases at the same time in 1915. Coddine has been advanced by m.30, and morphine by m.20 per kilo. on April 10. The Convention quotations are now from m.750 to m.755 for codeine pure, from m.680 to m.685 for codeine sulphate, and from m.630 to m.635 for codeine phosphate. Morphine hydrochloride is sold at from m.530 to m.535 per kilo.

**PEPPERS** are very firm and stocks are steadily decreasing. The Hamburg quotations on April 5 were: From m.1,040 to m.1,050 for white washed Muntok; from m.910 to m.920 per 100 kilos. for genuine black Tellicherry; from m.905 to m.910 for black Lampong.

**PHENACETIN** has been advanced by from m.1.50 to m.1.70 per kilo., and is quoted at from m.9 to m.10 by the makers, according to quantity.

**POTASH PERMANG.** has advanced to from m.150 to m.165 per 100 kilos.

**SABADILLA.**—Some parcels of 100 kilos. are still to be had at from m.450 to m.460 per 100 kilos.

**SANDARAC** is quoted at from m.3.50 to m.3.75 per kilo.

**SANTONIN** has been quoted at from m.260 to m.286 per

kilo. from July 1914; on April 8, 1916, it was advanced by m.40 per kilo.

**SENEGA** is quoted at from m.1,250 to m.1,300 per 100 kilos.

**SHELLAC** has considerably advanced during the last month, as importation, even *via* neutral countries, has come to a complete standstill. In consequence of the scarcity high prices have been paid—viz., from m.740 to m.760 for TN, from m.760 to m.800 for fine Orange, and from m.800 to m.820 for lemony lacs.

**SILVER NITRATE** is dearer; from m.89 to m.90 per kilo.

**SODIUM CARBONATE AND HYDROXIDE** are getting very scarce in consequence of the scarcity of soap and other washing-materials. The syndicate of German soda-factories has advanced the price of soda-crystals to from m.9 to m.9.50 per 100 kilos., and 70-per-cent. sodium hydroxide is quoted at from m.24 to m.25 per 100 kilos.; only small lots can be furnished.

**TARTARIC ACID** is still quoted at m.13.25 per kilo.

## Arrivals of Chemicals, Drugs, etc.

The following is a selection of arrivals during the period May 24 to 29 inclusive, in the English ports named. Goods in transit are not included. The figures refer to the packages—e.g., cases, bags, barrels, boxes, kegs, etc. The weights, when known, are specified:

<i>To London.</i>	<i>G. acacia (E.I.)</i> 115	<i>Squill</i> 122 pkgs.
Acetic anhydr. 10	Indigo (E.I.) 65	Tamarinds (Barb.)
blns.	Juniper-berr. (It.) 50	240, (Ant.) 20
Aloes (Cape) 88,	Kola 2	Tartar (Fr.) 139 cks.
(N.Y.) 169 cs.	Laurel-berr. (It.) 6	Tartaric ac. (It.) 123
Anise 12	Laurel-leaves (It.) 6	cks. 100 brls. 105
Arachis oil 360 cks.	133	cs., (Fr.) 12 cks.
Argol (Cape) 138	Lavender (Fr.) 18	Tonka-beans 1 brl.
Barytes (It.) 843,	bls.	Turmeric 4,800
(Sp.) 500	Lemon oil 5	Turpentine (Port.)
Bay oil 6 cs.	Lime-juice 129 pns.	235 dms.
Bismuth ore 5	15 pps. 60 cks. 157	Vanilla (Fr.) 13 cs.
Boric ac. (It.) 287	dms. 8 hds. 4 brls.	Wax, bees' (E.I.) 68,
brls.	Lime-juice, conc. 54	(African) 446,
Cantharides (Ch.) 10	hds. 59 cks.	(Rangoon) 27,
Caraway oil 5 cs.	L.-juice cord. 11 hds.	(Aden) 436 blocks,
Caraway-seed 250	Lime oil 43 cs. 4	(M'scilles) 60
Cardamoms 14	dms.	Wine-lees (Fr.) 54
Casein 72	Linseed (E.I.) 38,876	Witch-hazel 6 brls.
Cassia 314 cs.	Liquorice-ju. 40	<i>To Liverpool.</i>
Castor oil (E.I.) 6 cs.	Liquorice-rt. (It.) 9	Acetic ac. (Boston)
Celery-seed 60	Manna 5 ½-cs.	121 brls.
Chem. prod. (Fr.) 28	Medicines (Jap.) 23	Albumen 11 cs.
cks. 25 cs. 154 pkgs.	cks., (Fr.) 27 cs.	Anise (U.S.A.) 36
Chemicals, drugs,	Menthol (N.Y.) 34	Arachis oil (Ch.) 420
etc. (N.Y.) 102	Milk-powder 120 cs.	dms. 300 brls.,
pkgs.	Milk-sugar (Amst.)	(Rangoon) 1,000 cs.
Chillies (Af.) 169	50	Castor oil (E.I.) 650
Cinnamon 161	Mustard-seed 790	cs.
Cinnamon oil (Cey.)	Nux vom. 577	Cochineal 3
10	Olibanum 53	Cocoon oil 218 pps.
Citric ac. (Fr.) 15	Olive oil (It.) 35	8 hds.
cks. 20 cs., (Genoa)	pps. 20 ½-pps. 220	Copra 9,247
60 brls.	pkgs., (Sp.) 346	Divi-divi 2,150
Cochineal 10	pkgs., (Fr.) 67 cks.	Drugs, etc. (Fr.) 6
Cocoon oil (E.I.) 91	60 brls. 57 cs.	cs. 77 pkgs., (N.Y.)
pps. 12 pns. 8 hds.	Opium (Aden) 100 cs.	92, (Boston) 393 cs.
Cod-liver oil (R'dam)	Orange oil 5 cs.	Glycerin 35 dms.
50 cs.	Orange-peel 5	Gums (Lisbon) 34
Copra 3,990	Orchella-weed 86	Honey (N.Y.) 100 cs.,
Cream of tartar	Orris (It.) 55	(Curacao) 105 brls.
(Fr.) 105 cks.,	Oxalic ac. 9 cks.	Ipeac. (Cart.) 7
(Genoa) 430 brls.,	Papain 2	Kola (W.C. Af.) 21
(Palermo) 120 cks.	Perf. water (Fr.) 49	Linseed 19,376
Cuttlefish-b. 53	chys. 6 cs.	Logwood 300 tons.
Dextrin 100	Perfumery (Fr.) 25	Olive oil (Fr.) 289 cs.
Drugs and perf.	cs.	Orchella-weed 1,280
(Fr.) 59	Potashes (Mon.) 84	Palm-kernels 503 t.
Drugs, etc. (Boston)	Quinine (Amst.) 10	17,152 bgs.
11 cs.	cs.	Palm oil 2,476 cks.
Essent. oils (Sp.) 6	Rhubarb 35 cs.	Perfumery (Fr.) 230
dms., (Fr.) 58 cs. 8	Roots, barks, herbs,	Potashes 8 cks.
cks., (It.) 25 cs.	etc. (Fr.) 35 bls.;	Rhatany 2
Farina 100	seeds 207	Roots, barks, herbs,
Formaldehyde 50	Saltpetre 8,481	etc. (S'pore) 43 bls.
Gallie ac. (It.) 5 cs.	Shellac 5,123; button	Soda sulph. (U.S.A.) 38
Galls (Ch.) 100	45; garnet 200	Soya-beans 2,968
Gentian (Fr.) 18	Soda bicarb. (N.Y.)	Tartaric ac. (It.) 78
Ginger (E.I.) 1,762	200 kgs.	brls.
Gums, undescrib.	Soda chlorate (Fr.)	Whale oil 12,205 brls.
(E.I.) 38	100 cks.	

*To Bristol.*—Lime-juice 4 pns.; pimento, 500. *To Ellesmere Port.*—Soda nitrate 4,176 tons. *To Folkestone.*—Drugs (Fr.) 13 pkgs.; perfumery (Fr.) 33 pkgs. *To Hull.*—Barytes 100; chemicals 180; cottonseed 50,780 cwt. 2,551 t.; ground-nuts 8,590 bgs.; milk-powder 60; palm-kernels 21,650; palm oil 155; soya-beans 123,964 bgs. *To Manchester.*—Acetic ac. (N.Y.) 70 brls.; alum (N.Y.) 900 brls.; aniline oil (N.Y.) 10 brls.; dimethylaniline (N.Y.) 12 dms.; formaldehyde (N.Y.) 192; lead acetate (Fr.) 18 cks.; liquorice, black (N.Y.) 480 cs.; medicines (Boston) 24 cs.; olive oil (It.) 153 bxs.; phosphorus 750 cs.; pot. pruss. 9; soda chlorate (Fr.) 400 kgs.; soda phosph. (N.Y.) 62; tartaric ac. (It.) 20 brls.; tartar emet. (N.Y.) 12 cks.

## General Medical Council.

THE meeting of the Council, which began at 44 Hallam Street, London, W., on May 23, was concluded on Saturday, May 27, the greater part of the time being devoted to penal cases. In our last report (*C. & D.*, May 27, p. 42) we mentioned the case of Mr. D. E. Powell, M.B., C.M., Tooting, S.W., in regard to "covering" an uncertified midwife; the matter was delayed on May 25. The President (Sir Donald MacAlister) announced that the name of Mr. Casper D. Downing was restored to the Medical Register. The Council then considered the case of Henry William West, M.R.C.S., L.R.C.P., Vernon Road, Old Basford, Notts, who had been convicted at the Nottingham Assizes of feloniously killing and slaying Harriet Ann Hodgkinson, and his name was directed to be erased from the Medical Register. Mr. Powell's case was then considered at some length, and after half-an-hour's deliberation *in camera* the President announced that the Council had found the alleged facts to be proved, and they took a very grave view of the practice of medical practitioners in "covering" an uncertified midwife, but gave the accused an opportunity of appearing before them in November, when he would be expected to produce from his professional brethren testimony as to his character and conduct in the interval.

James A. B. Thompson, M.B., C.M., Bolina Road, South Bermondsey, was summoned on the charge that he had abused his position as a medical practitioner by committing adultery with a Mrs. Grigson, whom and whose husband and child he had attended professionally. The verdict was given in the Divorce Court in October 1915, and the decree was made absolute last month, 500*l.* damages being awarded. The case was carried over to Friday, when it was decided to remove Mr. Thompson's name from the Medical Register.

William Joseph Ryan, L.R.C.P., L.F.P.S. Edin., etc., c/o British Medical Association, 429 Strand, London, W.C., could not be found at that address, but the Council had to consider correspondence between him and the Acting Registrar in regard to Mr. Ryan's convictions for drunkenness. The Council directed his name to be erased from the Medical Register.

The clock pointing to five minutes from closing-time, a protest was made against another case being taken. The President nevertheless reassured the members that they would get away by six o'clock, and they did. The name of Wm. Bonallo, Crumlington Hall, Northumberland, on the Dentists' Register as in practice before 1878, was struck off because at the Northumberland Assizes last November he was sentenced to three years' penal servitude for felony.

The Council met at eleven o'clock on Saturday, with the intention of concluding the session that day. The last of the penal cases (against John Thomas Dickie, L.R.C.P., L.R.C.S., 37 Lauriston Place, Edinburgh) (*C. & D.*, May 13, p. 38) was heard, and the name was removed from the Medical Register.

### "COVERING."

The Council then settled down to discuss the motion of Sir Francis Champneys: "That it be remitted to the President, in consultation with the legal advisers of the Council, to draw up for submission to the Council a warning notice with regard to the 'covering' by medical practitioners of uncertified women practising as midwives." Dr. Macdonald and Sir Henry Morris urged that the meaning of the word "cover" should be made very plain. Sir John Moore wished that the Midwives Act applied to Ireland. The President remarked that the Act had come into operation in Scotland, and that Ireland had desired to be left out. The motion was carried unanimously.

The Education Committee recommended that the teaching of medical ethics should form part of professional education. The report was adopted.

### FUTURE OF DENTAL QUALIFICATION.

In view of the large number of unqualified and the stationary number of qualified dentists, the Dental Education Committee were asked, in November 1914, to consider modifications or curtailment of the curriculum, and to communicate with the licensing bodies if they thought fit. They were also asked to consider the best method of protecting the public from being deceived by the unqualified. The Committee were unanimously of the opinion that the curriculum could not be shortened, though it might be modified; they were also unanimous in attributing any shortage to the inadequacy of the Dentists Act. They did not see any means which the Council could adopt to prevent the public being deceived, except by attempting to procure an amendment of the Act, and this did not appear practicable.

Dr. Newsholme, one of the Privy Council representatives,

protested that the report was very unsatisfactory in view of the extreme importance of the questions raised, and moved that it be sent back to the Committee. It could not be maintained that the increase in dentists was commensurate with the demands. The State had made itself responsible for the health of one-third of the population, and there was much futile work in medical inspections, because a large proportion of the defects and ailments arose from bad teeth, which there were not dentists to remedy. No efforts were made to increase the number on the Register, and, while there were only 5,000 qualified, there were said to be 20,000 unqualified dentists.

Sir Bertram Windle said there was, without doubt, a great dearth of qualified men; no other profession was under so many restrictions. They must go on hammering at the Government. An adequate supply of dentists was of extreme importance to the public health. He did not recommend shortening the curriculum, but for dentists to take the ordinary course of medicine and surgery was a mistake; other subjects should be intensified. Dr. Newsholme's amendment was passed as a motion as follows:

"That the Dental Education and Examination Committee be requested to consider further communications from the licensing bodies and medical schools as to the curriculum, and be instructed to prepare for the Council such proposals as it deems desirable for the modification of the curriculum."

Mr. Hodsdon then moved:

"That the Lord President of the Privy Council be informed that, in the opinion of this Council, it is urgently necessary in the public interest that steps be taken to amend the Dentists Act in order that the public may better be able to distinguish the qualified from the unqualified dentists and practitioners."

Dr. Macdonald thought that did not go far enough; there should be some penal clause making it an offence for the unregistered to practise dentistry. Other members also thought that the qualified ought to be protected from unfair and undue competition of the unqualified. Mr. Tomes gestured that a notice might be inserted in the newspapers from time to time, on the lines of the Stock Exchange, saying that qualified dentists did not advertise. Dr. Magennis said that the dental profession had a grievance that they were not represented on the G.M.C. They thought that dentists, not doctors, should control the profession, and that the Council had never taken an active part in protecting them. The motion was carried.

Some discussion took place as to the large expense of the dental curriculum, and it was agreed that the Dental Committee be requested to obtain statistics of the relative costs of the medical and dental curricula.

### PHARMACOPŒIA COMMITTEE.

The Pharmacopœia Committee reported to the Council as follows:

1. The number of copies of the British Pharmacopœia, 1914, which were sold by the publishers between November 1, 1915, and May 20, 1916, was 960. The total number sold since January 1, 1915, is thus about 25,400 copies. Of the second issue of 10,000 copies, published in May 1915, about 3,200 copies remain in stock at the present date.

2. The Editors have discovered a misprint on page 29, under the heading "Adeps Lanae." In the eighth line from the foot of the page, for the words "0.2 gramme" should be read the words "2.0 grammes." This error will be corrected in the next impression.

3. The recommendation contained in the Committee's report of November 2, 1915, having been approved by the Council, a communication was addressed to the Lord President, suggesting that, in the public interest, all preparations or admixtures containing 0.75 or more per cent. of morphine should be included in Part I. of the Schedule of the Pharmacy Act. The suggestion was conveyed by the Lord President to the Council of the Pharmaceutical Society of Great Britain. The Council of the Society, in virtue of its powers under the Pharmacy Acts, submitted a resolution in favour of the suggested amendment of the Schedule for the approval of the Privy Council. An Order in Council was thereupon issued on February 9, 1916, which enacts the amendment in the manner prescribed by law. The Executive Committee (Minutes, February 21, 1916) has already expressed its gratification at the action taken by the Privy Council and by the Pharmaceutical Society in this important matter. The Pharmacopœia Committee desires also to express its acknowledgments of the action which has been taken at its suggestion. All tinctures of opium, whether described as "Laudanum, B.P. 1898" or otherwise, which contain three-fourths of one per cent. of morphine must now be sold to the public only under the more stringent conditions attached to the sale of the poisons in the first part of the Schedule.

The report was brought up by Dr. Norman Moore, and the President seconded its adoption, saying it was eminently satisfactory that the recommendation of the Committee had now become law. The usual vote of thanks to the Chairman was carried with acclamation. The President, in acknowledging it, remarked that the Office Site Committee had had valuable experience during this first sitting in the new building, and would be able to remedy defects before the next session.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

#### Ceylon Papain.

SIR,—My previous letter on the above subject contained a warning against the purchase of deteriorated (apart from adulterated) papaw milk or papain. I now send you, under separate packet, a sample of the stuff that is sold extensively and readily bought up in the chief centre of the papaw-milk industry—viz., Kegalle—and this ocular demonstration at once conclusively proves that my warning was not mere exaggeration or imagination. My agent there bought by mistake 5 lb. of this stuff two weeks ago, and on my refusing acceptance of it he at once sold it at a profit to a local dealer in papaw milk!

The buyers there now are chiefly moonmen, and one syndicate (among others) of six of them boasts of possessing 3,000 lb. of it for exportation! I saw the stuff, which was put in packing-cases tightly packed from floor to ceiling. This stuff is every other day sun-dried, with results that can be readily imagined, and this old dried black lumpy stuff, as per sample sent, is what is palmed off as papain in London.

Yours faithfully,

Ceylon, May 2.

H. HUBERTSZ, L.R.C.P.

[The stuff is wretched and of foul odour, not usable as papain.—EDITOR C. & D.]

#### Pharmacy in Turkey.

SIR,—I read with great interest in the issue of THE CHEMIST AND DRUGGIST for April 22 an article in regard to pharmacy in Turkey written by my friend Mr. A. Vlamos. There are several points I should like to add to this, particularly in regard to the worst and most irregular practice that is found in Turkish pharmacy. After a young man has got a little practice in a chemist's shop he sometimes imagines that he is able to manage a pharmacy, so taking to himself as a responsible person a qualified chemist (pharmacie diplomé), he engages him, thus hiring his certificate for two Turkish pounds a month, and opens a chemist's shop in which he displays the man's certificate, but does not allow him to go there and stay the whole day long because he considers that this would be against his interest. What he wants to do is to dispense prescriptions, make and sell whatever he likes without being seen by anybody. The inspector of pharmacies never visits him, and so this aspiring young person makes money; and at the end of the month when the poor qualified chemist visits him to be paid (not as the responsible manager of the shop but as a passenger, because the proprietor does not want it to be known by the people that he has not got a certificate himself) he is treated impolitely by the owner, who puts him off from day to day without paying until he becomes disgusted with the whole business. And what more can be expected from such uneducated and unpolished persons?

Of course, the qualified chemist cannot live on such a pittance as two pounds a month, even when he is paid that, so he looks after another job as an assistant in a chemist's shop. When I was in Smyrna three years ago I experienced this, so I know what I am talking about. I hope after the war is over the Turkish Government will have pity upon these poor qualified chemists and take greater consideration of the matters that I mention. Here in Egypt also the man who has money can open a pharmacy with a qualified chemist as the responsible manager, but the Egyptian Government obliges the qualified man to stay the whole day long in the pharmacy and manage it. For instance, if he wants to make a journey he is obliged to put another qualified chemist in his place until he returns.

In Turkey, on the contrary, a qualified chemist can be absent for a long time without having any trouble with the Government. Much more could be said on the subject, but I only want to indicate an absolute imperfection in the Turkish pharmacy regulations.

Yours faithfully,

Zeitoun, near Cairo, May 12.

J. N. KOUTOUPAS.

## Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

### What Should Be the Price?

*Puzzled* (233/15) would be interested to know what our readers would consider a fair price for the following prescription:

Hydropyryn (Bishop) ... gr. x.  
Ft. cachet. Mitte xxiv.  
Ung. methyl salicyl ... 3ij.

### Mr. Deakin's Quotation.

*Guillaume* (91/19) writes: "Mr. J. W. Deakin, at the meeting of the Western Pharmacists' Association on April 12, finished his speech with a quotation which began, 'I expect to pass through this world but once.' Could you give me the complete quotation, and state who is the author of the saying?" [The quotation referred to is usually given as follows: "I expect to pass through this world but once. Any good, therefore, I can do, or any kindness that I can show to any fellow-creature, let me do it now. Let me not defer or neglect it, for I shall not pass this way again." The author is stated to be Stephen Grellet, an American Quaker of French birth (1773-1855), but the passage does not occur in any of his printed works. It has been attributed to many other authors, but the authorship remains one of doubt, despite many attempts to trace it to its source.]

### Pharmaceutical Definitions.

(Wafted by the Sea Breeze, 234/26.)

CHEMIST (Kemai=hidden).—One who is hidden, either by a dispensing-screen or a veil of vaunted superiority.

PHARMACEUTICAL SOCIETY.—A body, with a Charter, that makes chemists with one hand and a Benevolent Fund for them with the other.

PHARMACIST.—A professional (?) man, because he professes to do much that he cannot: he dislikes being called a trader, not knowing what trade is.

LOCAL ASSOCIATIONS.—Bodies of men only 10 per cent. of whom take any interest in them.

P.A.T.A.—An organisation benefiting many at the expense of a few.

UNION (TRADES).—Strength.

DITTO (CHEMISTS).—Nothing.

N.H. INSURANCE.—Provision of benefits for everyone—except chemists.

### The Late John Slater.

"I was much interested in the particulars given in the C. & D. regarding the will of the late John Slater, retired chemist, Beaumaris—a most interesting man, whose death in April was at the age of ninety-three. Mr. Slater commenced business at Beaumaris, when twenty-five years old, before the 1868 Act was passed, and retired at the age of seventy-five. Then he bought a twenty-guinea bicycle, and for years went long distances daily with it. He was an assistant in London when he was twenty years of age. One day he consulted a doctor about a very bad cough he had. The doctor examined him, said he was consumptive, told him to clear out of London—that he would not see his thirtieth birthday. 'No doubt,' said the old gentleman, 'he was about right, for I've been troubled every winter with a cough.' For years Mr. Slater took cold baths, summer and winter, and used to be up about five every morning. He was a non-smoker, but he indulged in one bottle of Bass with lunch daily. All honour to his memory."—D. Fryson-Jones.

## Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1916, beginning on page 341.

*L. M.* (229/13).—Hellebore powder is neither a scheduled poison nor a statutory poisonous substance, so that it may be sold retail or wholesale by unqualified persons.

*Bill Sykes* (233/33).—Your question is not directly of drug-trade interest, and we prefer not to intervene in such matters when solicitors who know them properly express divergent opinions.

*W. M.* (233/22).—Still lemonade is not a table-water within the meaning of the Finance (New Duties) Act, as was explained and reported in the C. & D., April 22, p. 92, and as defined in the Act, Section 4, p. 91.

*B. C.* (234/28).—took premises on a seven years' lease which has just expired. In order to affix his trade fittings he let plugs into the wall. The lease contains the following covenant:

"And the lessee . . . will . . . keep the inside of the said premises . . . in good tenable repair, and the same in good tenable repair (and reinstated or put into the same state and condition as the same premises are now in) deliver up to the lessor at the expiration . . . of the said term."

The landlord now claims 5*l.* as compensation for damage to the walls by plugging. Is "*B. C.*" liable to meet the claim? ["*B. C.*" ought to have left the walls exactly as he found them by withdrawing the plugs and stopping the holes, and, if necessary, re-papering or painting the walls. Having failed to do so, he is liable to pay damages to the lessor; but whether the landlord's claim is excessive can only be decided from an inspection of the premises.]

## Miscellaneous Inquiries.

*O. H.* (38/6).—COLOURING OIL-VARNISH.—Oil-soluble colours, such as alkanet-root, dragon's-blood, or alizarin, are used for this purpose. You do not say what colour it was which your customer employed without success.

*Zeta* (200/8).—(1) GLUCOSE FOR JAM-MAKING.—The Board of Agriculture state that in making jam first-rate results may be got by replacing from a quarter to a third of the sugar by syrup glucose, and very fair preserves may even be made without any sugar by using  $\frac{1}{4}$  to  $\frac{1}{2}$  part of syrup glucose to 1 part of fruit, according to its sweetness. (2) HAIR-WAVING LIQUID.—The usual solution employed contains borax or an alkali, and sometimes a little acacia or tragacanth. We have not come across the variety which contains sodium hyposulphite. These liquids are used by damping the hair with them before using curling-pins.

*Powlak* (222/39).—BAKING-POWDER without tartaric acid:

I. Potassium acid sulphate	...	3 parts
Sodium bicarbonate	...	1 part
Cornflour	...	1 part
II. Calcium acid phosphate	...	37 parts
Sodium bicarbonate	...	23 parts
Rice-flour	...	40 parts

*Mag. Sulph.* (215/47).—(1) SHAMPOO-POWDER.—See *C. & D.*, November 14, 1914, p. 64. For the kind used dry, see *C. & D.*, May 27, 1916, p. 48. (2) NURSERY POMADE:

Powdered white hellebore	...	3j.
Vaseline	...	5viij.
Oil of citronella	...	mxv.
Chloroform	...	mxv.

Mix thoroughly.

*J. M. W.* (223/22).—(1) The "British Journal of Photography," published weekly by Henry Greenwood & Co., Ltd., 24 Wellington Street, Strand, London, W.C., is the journal of professional photographers. (2) COST OF BUILDING AND EQUIPPING A STUDIO.—We have seen an estimate in which the cost of a portable studio was placed at 60*l.*, furniture and carpets 20*l.*, photographic apparatus and materials 85*l.* The length of the studio should not be less than 24 ft. and the width 12 ft., although it is better, if space permits, to make it 35 ft. long by 18 ft. wide.

*H. E.* (227/39).—THE MANUFACTURE OF PLASTIC SUBSTANCES is a big subject, owing to the variety of uses for the articles. Will you give us some idea of the use to which the substance you propose to make is to be put?

*I. L.* (224/68).—SOLVENTS FOR CELLULOSE.—The answer given in the *C. & D.*, April 15, p. 52, was based on a consideration of the solvents used for making celluloid-varnish. It is, however, apparent from what you say that it requires a mixture of ether and alcohol as a celluloid-solvent, such as is employed in making collodion from pyroxylin. We suggest that you experiment in this direction—i.e., add an equal part of alcohol to the ether in which you have already placed the celluloid. In place of the alcohol you might employ amyl acetate, adding this to the mixture of ether and celluloid. Celluloid is stated to be as soluble in amyl acetate as in acetone, but the persistent odour of amyl acetate is objectionable to many people. The smell is not so bad when the amyl acetate is diluted with alcohol.

*E. J. B.* (228/54).—We presume that the benzoic acid is used in the skin-cream as a preservative, in which case it could be replaced by boric acid or salicylic acid.

*P. B.* (230/27).—The best emulsifying-agent for castor oil is a mixture of gum acacia 2 parts, tragacanth 1 part. In the case you mention the lemon-juice introduces a factor the effect of which you can only determine by experiment.

*T. S. C.* (221/49).—You can solidify liquid paraffin by melting it with hard paraffin. There is, however, some difficulty in obtaining a homogeneous mixture. Why not use white soft paraffin as the basis of the solid brilliantine you wish to prepare?

*R. M. L.* (225/33).—(1) ALUMINIUM is polished by using a powder such as the following:

Stearic acid	...	1 part
Fullers' earth	...	1 part
Tripoli	...	6 parts

The surface, if much soiled, is first prepared by the successive employment of caustic-soda solution, nitric acid, vinegar, water, and hot sawdust. (2) VULCANITE is polished with rottenstone and oil, the surface, if rough, being first smoothed with emery-paper. Too much pressure should not be used in polishing vulcanite.

*C. F.* (223/67).—REMOVING CARBON FROM MOTOR-CYLINDERS.—The following liquid is stated to be effectual for the purpose:

Methylated spirit	...	30 parts
Ether	...	18 parts
Solution of ammonia (3 per cent.)	...	52 parts

Mix by shaking together. Pour  $\frac{1}{2}$  oz. of this mixture into each cylinder while the latter is hot, and leave over-night.

*H. & Co.* (226/7).—FOOT-BATH POWDER:

Pulv. boracis,	...	aa. sj.
Pulv. sodii carb.,	...	...
Pulv. saponis	...	...
Ol. eucalypt.	...	mxv.

Misce. The powder to be dissolved in warm water in a foot-bath, and the solution used for bathing the feet. Other varieties contain alum or tannin. The perfume can be varied according to fancy.

*Lodestone* (221/68).—(1) BOOKS ON WIRELESS TELEGRAPHY.—Bangay's "Elementary Principles of Wireless Telegraphy" (1*s.*, Wireless Press, Ltd.); Marchant's "Wireless Telegraphy" (5*s.*, Whittaker); Eccles's "Wireless Telegraphy and Telephony" (12*s.*, 6*d.*, Electrician Printing and Publishing Co.). (2) MEDICAL ELECTRICITY.—You should read the treatise on this subject which was published in *The Chemist and Druggist Diary*, 1911. See *C. & D.*, March 25, p. 52, for books on the subject. (3) For list of books on physics see *C. & D.* Educational Number, August 14, 1915, p. 59.

*Swindon* (222/3).—TONING AND FIXING BATH FOR PRINTING-OUT PAPER:

Sodium hyposulphite	...	20 oz.
Citric acid	...	$\frac{1}{2}$ oz.
Lead nitrate	...	$\frac{1}{2}$ oz.
Ammonium sulphocyanide	...	2 oz.
Water	...	80 oz.

Dissolve in the water (warm) in above order, filter bright, and add—

Gold chloride	...	12 grains
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(2) DEVELOPER.—See *C. & D.*, April 24, 1915, p. 128, for metol-quinol developer, and June 25, 1915, p. 88, for concentrated form. There is a chapter of photographic recipes in "Pharmaceutical Formulas."

*J. G.* (Malta) (217/56).—(1) NEWSPAPER-PRESCRIPTION.—We should say that the newspaper-prescription is for mixed powders composed of sodium bicarbonate, sodium salicylate, and powdered rhubarb. (2) CALCIUM GLYCEROPHOSPHATE is rendered more soluble by a trace of citric acid, this being the difference between the ordinary salt and the soluble variety.

## Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 15, 1866.

### General Medical Council.

Dr. Sharpey proposed the following resolution, which was agreed to: "That the General Medical Council are not prepared to adopt, in its full extent, the suggestion of the Metric Committee of the British Association, but the Council will direct that a complete comparative table of metric and imperial weights and measures, with instructions for their mutual conversion, shall be inserted in the forthcoming edition of the British Pharmacopoeia."

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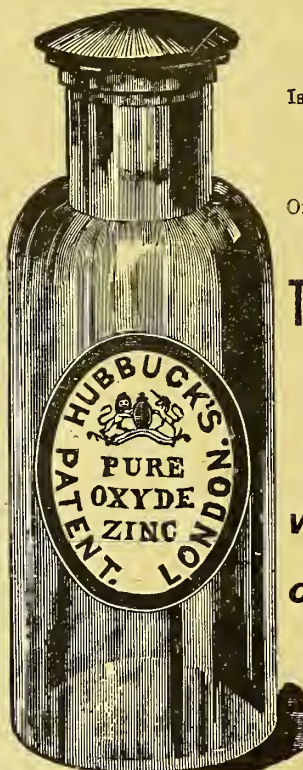
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BY qualified Pharmacist, Mixed Country Retail and Agricultural Business, with good connection and scope, where reasonable succession terms can be arranged, £100 deposit, and balance by arrangement, or Managing Partnership, with gradual succession; must be good prospect; South, near Coast preferred. 67/31, Office of this Paper.

## PARTNERSHIPS.

LADY, owning miraculous registered Pile Cure (American Doctor's), requires active partner with capital, to establish order business at once; Wholesale preferred; splendid profit margin; fine testimonials held; small outlay to commence. Principals only, 64/31, Office of this Paper.

## AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

The Advertisers wish to get in touch with superior and energetic representatives having good connections and making regular calls on the retail trade to the number of about 20/30 per day.

To such men a sound proposition, embracing an article small enough to go in the pocket, and selling freely in all the big London stores, is offered on high commission terms.

Applications will only be considered where the following information is given, briefly:—

1. How long on present ground.
2. A rough idea of area now covered.
3. Average number of calls per week.

Envelopes should be marked "London." "Leeds," "Bristol"—or whatever district the applicant now covers—and should be addressed "Secretary," 64 Stamford Street, London, S.E.

AGENCIES.—Advertiser, with thirty years' experience of India and Far East, representing first-class Houses, is now in London, and would be glad to communicate with firms interested in that market. 64/33, Office of this Paper.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

### RETAIL.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

BIRMINGHAM.—Assistant, unqualified; accurate Dispenser and obliging at Counter; good salary and hours. Apply, with full particulars, General Manager, Hedges (Chemists), Ltd., Dale End.

CAMBRIDGE (Outdoors).—Assistant required about June 19, lady or gentleman; no Sunday or holiday duty; close at 7 p.m. Apply, Mr. David Sturton, 7 Fitzroy Street, Cambridge.

## SOCIETY OF CHEMICAL INDUSTRY. SECRETARYSHIP.

THE Council of the Society of Chemical Industry invites applications for the post of Secretary. Candidates must have had scientific training as well as technical and organising experience. Commencing salary £600 per annum. Consideration will be given to the candidature of those whose services may not be available until the end of the War.

Applications, stating age, qualifications, and experience, to be made by letter only, addressed to the President of the Society, Broadway Chambers, Westminster, S.W., endorsed "Secretary," and should be delivered on or before June 20th, 1916.

**CHELTHENHAM.**—Competent Assistant required; ineligible. Full particulars to Nathl. Smith & Co., 373 High Street, Cheltenham.

**CUMBERLAND.**—Wanted, unqualified Assistant; not eligible for Army; good-class experience. Wilson & Kitchin, The County Chemists, Whitehaven.

**EASTBOURNE.**—Assistant wanted, man over military age, or woman, for good Dispensing and Retail. G. A. Harmer, Eastbourne.

**EXETER.**—Wanted, unqualified Assistant, lady or gentleman efficient Dispenser; three kept; age immaterial if references are right. Experience, salary required (outdoors), to Mr. Reid, 2 Queen Street, Exeter.

**HOYLAKE.**—Wanted at once, unqualified Assistant, ineligible (or lady); outdoors; knowledge of Dispensing. State age, salary required, to Jennings & Co.

### HULL AND SCULCOATES DISPENSARY.

**REQUIRED,** a qualified Dispenser of either sex, at a salary of £80 per annum.

Hours 9 to 12 and 2 to 5.

Applications, stating age and qualifications, accompanied by three recent testimonials (which will not be returned), should be sent on or before June 10th to the undersigned.

Canvassing members of the Board not permitted.

THOMAS PRIESTMAN, Jr.,

Acting Hon. Secretary.

Crown Chambers, Land of Green Ginger, Hull,  
May 29th, 1916.

**LINCOLN.**—Wanted, Assistant, unqualified, ineligible for the Army, for Mixed Retail business; no Sunday duty; reasonable hours. Cook, Chemist, Lincoln.

**LLANDRINDOD WELLS.**—Junior Assistant (ineligible) or lady wanted for season; good-class Retail and Dispensing; outdoors. Evans, Llandrindod Wells.

RESULTS	
OF ADVERTISING IN THIS SUPPLEMENT	
LAST WEEK, MAY 27 1916	
NATURE OF ADVT.	REPLIES
BUSINESS FOR DISPOSAL	19
REPRESENTATIVE	17
TRAVELLER	17
ASSIST (WHOLESALE)	16
LADY DISPENSER	12



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

**LONDON.**—Wanted at once, man, unqualified, ineligible (or woman with experience), for Drug Store, to take charge of Branch; must have good references. Give particulars and salary required, Grant, 33 Chatsworth Road, N.E.

**LONDON, N.**—Wanted by June 13, qualified Chemist for Limited Company, for N.H.I. and Counter; over military age; permanency. Reply, stating age and salary required, 68/25, Office of this Paper.

**LONDON, S.W.**—Qualified Manager and competent unqualified Assistant wanted; over military age; energetic. Apply, with full particulars as to experience, salary, etc., Durbin's Drug Stores, Ltd., Kingston-on-Thames.

**LONDON, S.W.**—Wanted, lady Assistant for Sale Room in large West-End establishment. Write, stating full particulars of experience, to "L. J.," 276, Sells' Advertising Offices, Fleet Street, E.C.

**LONDON, S.W.**—Required, Dispenser; hours of work approximately 8.45-6.30, Saturdays 1 o'clock; no Sunday duty. Write, giving full particulars of experience, to "J. J.," 278, Sells' Advertising Offices, Fleet Street, E.C.

**LONDON, W.**—Required, an Assistant (Junior), lady or ineligible, for good-class Dispensing business; no N.H.I. work. Please state full particulars, age, experience, references, salary required (outdoors) to W. A. Weston, 8 Sandringham Parade, Ealing.

**LONDON, W.**—Wanted, a Junior Assistant (ineligible); good Dispenser; whole- or part-time. Apply to W. F. Pasmore, 320 Regent Street (opposite Polytechnic).

**MANCHESTER.**—Qualified Manager for purely working-class business; must be about 45 years of age, active, and energetic; good agreement with liberal interest in the profits offered to the right man. "M." (69/152), Office of this Paper.

**MANCHESTER.**—Junior or Improver wanted at once; outdoors; easy hours; ineligible or exempt from military service; Part-time would suit. Gorton, c/o C. Harrison & Sons, 26 Chapel Street, Salford.

**NEW BARNET, near Station.**—Unqualified Junior Assistant, outdoors (lady or gentleman), soon as possible; practical experience Retail and Dispensing; easy hours; pleasant spot outside London; no Sunday or Bank Holiday duty. Apply, with usual particulars, including salary required, Young & Co., Chemists, New Barnet.

**NEWBURY.**—Wanted, Competent Assistant, lady (or ineligible male), for Dispensing or Counter; good salary and easy hours. Hickman & Metcalf, Pharmacists, Newbury.

**NEWINGTON BUTTS, London.**—Well-known firm have an opening for capable unqualified Assistant above military age, or who has been rejected; application from a smart young lady who has had experience in Chemist's shop, particularly Dispensing, would be entertained. 69/15, Office of this Paper.

**NEWPORT.**—Qualified lady Chemist; accustomed to the routine of a good-class business; preference given to one with a knowledge of Bookkeeping. Please state age, experience, and salary, outdoors, to Tretharne Howell, Newport, Mon.

**READING.**—Wanted, reliable man, exempt from military service; able to take charge of good-class Dispensing and Retail business; good remuneration to suitable man. Apply, stating qualification and references, to G. B. Osborne, Chemist, Reading.

**REDDITCH.**—Required, for Mixed Country business, Assistant; ineligible for military service, Junior or elderly; outdoors; no N.H.I. Dispensing. State salary, references, when disengaged, W. Mousley, Chemist, Redditch.

**SKEGNESS.**—Wanted, Locum (qualified or unqualified), middle July to middle of September. State terms, W. D. Hall, Chemist, Skegness.

**SOUTH OF ENGLAND.**—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

**TYNESIDE.**—Unqualified Assistant wanted; ineligible for Army; good Window-dresser; good salary to suitable man; easy hours. Apply, 66/36, Office of this Paper.

**UNIVERSITY College Hospital, Gower Street, W.C.**—Wanted, qualified Assistant Dispenser from July 24 to September 30; salary £3 weekly. Apply to C. H. Hampshire, Pharmacist.

**WHITEHAVEN.**—Qualified Assistant (lady or gentleman), outdoors, for Retail, Dispensing, and Prescribing; short hours; preference given to abstainer. Applications, with full particulars, to H. Clarke, 11 Market Place, Whitehaven.

**WINCHESTER.**—Wanted, experienced Assistant for good-class Family Dispensing and Photographic business; easy hours; good salary to suitable man; applications from lady Assistants entertained. L. Arden, Pharmaceutical Chemist, 110 High Street, Winchester.

**YORK.**—Locum, qualified or unqualified, for August and fortnight in September; outdoors; no Sunday duty. Liversidge, Chemist, York.

**YORK.**—Wanted, Assistant for Light Retail (ineligible), or lady; outdoors; easy hours; half holiday; no Sunday or extra duty. Apply, with full particulars, to J. Sowray, Chemist, Petergate, York.

**YORK.**—Young lady Assistant required who has had some experience in Retail and Dispensing, or Junior about 25 (ineligible); no Heavy work nor N.H.I.; outdoors. Apply, Burgin, Mansion House Pharmacy, York.

**YORK COUNTY HOSPITAL.**—Wanted, Locum Tenens Dispenser for a few weeks; Hospital experience preferred; short hours; luncheon provided. Apply, with full particulars, to the Pharmacist.

**ASSISTANT**, not eligible, able to Dispense. Full particulars to Durbin's Drug Stores, 112 North End, Croydon.

**ASSISTANT** required for Dispensing and Counter; one with West-End experience preferred. Apply, The Manager, Beppell & Co., 26 Piccadilly.

**ASSISTANT** in a Family, Retail, and Dispensing business, two kept; outdoors; ineligible preferred; lady not objected to if well up in Dispensing or Counter work. Full particulars as to experience, references, and salary required, Alban Atkin, M.P.S., 243 West End Lane, West Hampstead.

**COMPETENT** and trustworthy Assistant wanted for Mixed Country business, with some N.H.I. work; lady not objected to if up to the work; good salary, moderate hours. Usual particulars and reference to Latham, M.P.S., Shirebrook, Derbyshire.

**DOCTOR'S Dispenser.**—Wanted, by an unqualified man, but well recommended, a place as Dispenser to a Doctor. Apply, 235/58, Office of this Paper.

**GOOD Assistant** required for Suburban Pharmacy. Apply, Lewis & Burrows, Ltd., 146 Holborn Bars.

**LADY Dispenser** required, Minor, or one accustomed to Chemist's business. Apply, with full particulars, to Lewis & Burrows, 146 Holborn Bars, E.C.

**LADY Assistant** required for Chemist's business; duties, Dispensing and a little Counter work; permanent and progressive berth. 69/151, Office of this Paper.

**LADY Assistant**; must be a good Dispenser, and have had experience in a Chemist's establishment; vacancy not in London; comfortable permanency for suitable applicant. State age, salary required, and when at liberty, "L. A." (69/153), Office of this Paper.

**LADY Assistant** required, accustomed to Chemist's Dispensing and Retail; seaside resort; light duties. 68/19, Office of this Paper.

**MANAGING Assistant**; ineligible; good business man essential, able to take entire charge; state salary required (outdoors), experience, etc.; Principal studying medicine. 68/8, Office of this Paper.

**MESSRS. TIMOTHY WHITE CO., LTD.**, Chemists, Portsmouth. require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects.

**QUALIFIED Chemist**, lady or ineligible man, to take charge of Branch; Light Retail business and large amount of Insurance Dispensing; easy hours; no Sunday or Night duty. Send particulars of age, experience, and salary required, to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

**QUALIFIED (Minor) Dispenser**, male or female; hours 8.45 a.m. to 6.30 p.m., Saturdays 1 p.m.; no Sunday duty. Apply, Staff Superintendent, Civil Service Supply Association, Ltd., 156 Queen Victoria Street, E.C.

**QUALIFIED Manager** wanted for Stockport; must be over military age. Apply, Mr. W. E. Sugden, The Common, Cheshire Hulme, Cheshire.

**QUALIFIED**, for easy Cash Retail and N.H.I. Dispensing; good opportunity for one desiring a permanency or wishing to acquire an interest. Please give particulars as to age, references, and salary required, with photo, in first instance, to "Westland" (68/38), Office of this Paper.

**QUALIFIED** wanted; easy hours; comfortable berth; duties light. Apply, stating age, salary required, etc., "Blackburn" (61/2), Office of this Paper.

**UNQUALIFIED Assistant** wanted for good-class Store trade, London, S.W.; must be smart, with some Dispensing experience; easy hours. Apply, giving full particulars, and when at liberty, 67/21, Office of this Paper.

**UNQUALIFIED Assistant**; age about 45; comfortable and permanent post. State salary required and when at liberty, "U." (69/150), Office of this Paper.

**WANTED**, for a good-class Dispensing, Retail, and Photographic business, a competent Assistant; must be ineligible for military service. Apply, giving particulars of experience, and state salary required, to T. I. Evans, Ph.C., 9 Roynl Parade, Golders Green.

**WANTED**, Junior Assistant (ineligible), outdoors, or lady (Hall certificate), for Dispensing and Light Retail business, for about eight weeks. Apply, with full particulars, Thomas Hogg, Chemist, Bideford, N. Devon.

**WANTED** immediately, good Assistant, lady or gentleman; good Counter experience. Johnson, Chemist, Milford Haven.

**WANTED**, Assistants for Counter, and must be able to Dispense, and exempt from military duties; state salary required and hours, and all particulars. Apply, Messrs. Prosser Roberts Co., Pharmaceutical Chemists, 13 Church Street, Camberwell, and 323 Walworth Road, London, S.E.

**WANTED**, a competent Assistant, ineligible for military service, for a medium-class Dispensing and Family business, near Liverpool. State age, experience, reference, and salary required, 67/38, Office of this Paper.

**WANTED**, Third Assistant, about 21, unqualified, ineligible, for first-class West-End Dispensing. Apply by letter, stating salary (outdoors) required, enclosing photo and giving height, "W." (68/7), Office of this Paper.

**WANTED**, qualified Assistant, experienced, sober, and reliable, or lady Pharmacist entertained. H. Lawrence, Kenley, Surrey.

**YOUNG lady** wanted for Drugs and Perfumery Department; experienced. Apply, Mr. Dunn, A. W. Gamage, Ltd., Holborn, E.C.

## WHOLESALE.

### WANTED IMMEDIATELY PRACTICAL WORKING CHEMIST

to take charge of Manufacturing Department of North London Chemical House, making Toilet preparations and packed goods on large scale by machinery. Experience in accurate formula work essential.

**Applicants must be over 41 or definitely ineligible, and be able to control small staff.**

Any reasonable salary and permanent post to the right man. State experience, salary required, and earliest free date to CHEMICUS, 234/70, c/o CHEMIST & DRUGGIST, 42 Cannon St., E.C.

**BRADFORD.**—Wanted immediately, an experienced Clerk to take charge of Office. State salary required, F. M. Rimmington & Son, Ltd., Chemists and Aerated Water Manufacturers, 9 Bridge Street, Bradford.

**LONDON Export House** requires Superintendent of Finishing Floor; must have had similar experience; knowledge of Spanish and Portuguese an advantage. Apply, stating previous engagements, salary, and age, to "Labels" (236/301), Office of this Paper.

**CHEMIST'S Porter**, able to run small Mineral Water Plant and Gas Engine; country town; ineligible for military service. State wages, experience, and references, to 67/33, Office of this Paper.

**COUNTER Hands**, Wet and Dry; experienced; ineligible for the Army. Apply, "A. W. W." c/o Dakin Brothers, Ltd., 82 Middlesex Street, E.C.

**DRUG Sampler and Grader.**—Boots' Pure Drug Co., Ltd., Nottingham, require the services of a man thoroughly acquainted with Crude Drugs and Medicinal Herbs and Roots; must be able to draw samples from bulk and pass expert opinion on them; one experienced in the Wholesale, and with knowledge of all original packages preferred; a good opening for the right man. Apply, giving full particulars of experience, age, etc., to Boots, Station Street, Nottingham.

**EXPERIENCED Under Forewoman** wanted for Packed Drugs. Apply by letter, giving full particulars of experience and salary required, Allen & Hanburys, Ltd., Bethnal Green.

**INVOICE Clerk (lady), Typist and Shorthand,** wanted at once by London Wholesale house. Apply, stating experience and qualifications, to "Export" (236/3), Office of this Paper.

**PACKER** wanted by a London Wholesale firm; also a man for Wet Cellar (ineligible). State wages and experience, 68/40, Office of this Paper.

**PILL Hand** Wanted by a London House. Write full particulars of age, experience, and wages required to 67/22, Office of this Paper.

**PILL and Tablet Department.**—Experienced Manager wanted with creative ideas for Packing and Selling, not Manufacturing, Ayrton, Saunders & Co., Ltd., Wholesale Druggists, Liverpool.

**REPRESENTATIVE** required by Midland firm with well-established connection; essential that applicants have knowledge of Drug trade, also ineligible for Army; salary and liberal commission; good opportunity for energetic and conscientious man. State age, experience, and salary required, and when disengaged. 69/14, Office of this Paper.

**REPRESENTATIVE** wanted by firm of Wholesale Druggists to work existing connection among town Chemists; must be ineligible; experience of Travelling required. Apply, 69/17, Office of this Paper.

**TABLETS.**—Young man (ineligible) wanted, with some knowledge of Tablet Making, by Midland Wholesale House. Apply, stating experience, wages required, etc., 235/59, Office of this Paper.

**TYPIST and Invoice Clerk,** used to Wholesale Drug trade. Write, stating age, experience, and wages required, to Potter & Clarke, Ltd., 60/64 Artillery Lane, London, E.

**WANTED.** Traveller with some knowledge of Photography and good connection with Chemists or Photo Dealers, to carry a good selling line of unique Self-Toning Papers, on commission. Apply, Kentmere, Ltd., Staveley, Westmorland.

**WANTED** at once by London House, Superintendent of Wet and Dry Counter (Export); must have had first-class experience and ineligible for Army. Apply stating previous engagements, age, and salary required, to "Counter" (236/300), Office of this Paper.

**WET Floor Assistant** required; must have had previous experience and not liable for military service. Apply, giving full particulars and wages required, to 236/25, Office of this Paper.

**WHOLESALE Druggist.**—Required at once, Assistant for Wet Floor; must have had previous experience, and not eligible for military service. Apply by letter, giving fullest particulars and salary required, to 235/45, Office of this Paper.

## SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

**3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.** The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

**DENTIST** required for New South Wales; must be a good man and exempted from military service; remuneration £250 to £300 per annum, with prospects. Apply, with full particulars, to "G. K." c/o Messrs. Evans Sons Lescher & Webb Ltd., 60 Bartholomew Close, E.C.

**QUALIFIED Assistant.**—Wanted, a steady, middle-aged man for Madras; three years agreement; salary Rs. 200 per month for the first year, Rs. 250 per month for the second year, and Rs. 300 per month for the third year. Address replies to "G. K." Evans Sons Lescher & Webb Ltd., 60 Bartholomew Close, E.C.

**THE Pharmacie Principale,** 28 Place de l'Hôtel de Ville, Le Havre, France, desires an English Assistant, over 45 and exempt from military service; good, well paid, permanent situation.

## SITUATIONS WANTED.

**1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.**

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.]

RETAIL.

**ACTIVE,** competent Dispenser, tactful Salesman; thoroughly experienced. Forster, 54 Romilly Road, Finsbury Park, N.

**ADVERTISER** desires one, two, or three weeks Locum before joining; disengaged now; experienced Dental and Pharmacy; unqualified; London; reliable. 236/2, Office of this Paper.

**AS Manager;** Locum, permanency; reasonable terms; age 45. "Chemist," 12 The Close, Warminster, Wilts.

**ASSISTANT;** unqualified; experienced (Dispensing and Counter); ineligible; young, tall; can spare 3 or 4 evenings weekly; good references. 63/19, Office of this Paper.

**ASSISTANT,** 21, unqualified, ineligible, requires situation soon in good Dispensing business; London, S.W., preferred. State full particulars, "Alpha," Great House, Cowbridge, Glam.

**ASSISTANT (Hall);** 36; single; abstainer; good West-End experience; excellent references; ineligible. 69/8, Office of this Paper.

**ASSISTANT or Manager;** unqualified; disengaged; experienced and reliable; permanency desired; would accept temporary engagement; married, no family. "T.," 38 Clevedon Road, Norbiton.

**ASSISTANT or Locum;** unqualified; age 42; first-class experience; excellent references; Yorkshire preferred. Shaw, 29 Blenheim Terrace, Scarborough.

**CERTIFIED Dispenser and Bookkeeper,** having over 10 years' experience, desires Locum work during the summer with Doctor or Institution; disengaged June 15. 69/11, Office of this Paper.

**DISENGAGED;** thoroughly experienced Manager; 41; references good; unregistered. "Chemists," 89 Denmark Road, Manchester.

**DISENGAGED.**—Reliable and smart Counterman wishes permanent berth; keen Store-trading or highest-class; wide experience in both; active, ineligible; unqualified; moderate hours, fair wages. 70/15, Office of this Paper.

**DISPENSER** seeks evening employment (Hall), Doctor's or Chemist's; good references; several years' experience. "H. T. E.," 31 Klea Avenue, Clapham Common, S.W.

**ELDERLY,** qualified; re-engagement as Manager; all-round experience, State full details and suggested remuneration in first letter, "G.," 15 Market Place, Southwold.

**EVENING Relief;** unqualified; experienced; ineligible; evenings to suit; Clapham or district preferred. Terms to "Nauticus," 65 Hillier Road, Clapham Common, S.W.

**EXPERIENCED Pharmacist,** 35, exempted, engaged City, offers assist busy Chemist several evenings weekly from 6 p.m.; North London preferred. State terms, 70/16, Office of this Paper.

**JUNIOR Assistant;** disengaged; 4 years' experience, Dispensing and Counter; aged 20; ineligible; Southampton or Hampshire preferred. Martin, 7 Trinity Terrace, Ventnor, I.W.

**JUNIOR;** rejected; capable; 22; Dispenser to Doctor (preferable) or Counter. Particulars, 67/32, Office of this Paper.

**LADY,** experienced in Dispensing, Bookkeeping, and some Nursing, desires post with Doctor or Institution; London preferred; excellent reference. 67/19, Office of this Paper.

**LADY,** qualified, desires post as Dispenser; Hospital or otherwise. "I. B.," Brynemaes, nr. Cardigan.

**LADY Dispenser,** experienced, desires part-time post in Surrey; Doctor preferred. Apply, 65/19, Office of this Paper.

**LADY,** some Dispensing experience, desires post, Chemist or Doctor; outdoors; London. 69/26, Office of this Paper.

**L**ADY, aged 25, partly through Hall Exam., requires part-time situation in London or Suburbs, with opportunity for acquiring experience in practical Dispensing. In applying, please give particulars to 68/33, Office of this Paper.

**L**ADY (23), with 4½ years' Dispensing and Counter experience in good-class Pharmacy, desires post. 68/1, Office of this Paper.

**L**ADY Dispenser (Hall certificate), experienced, seeks post in London or S.E. district. 70/21, Office of this Paper.

**L**OCUM; lady (Hall); disengaged July; four years London hospitals; excellent references; London district only. Mrs. Smith, 24 Conan Mansions, West Kensington.

**L**OCUM, Pharmacist, 27, in permanent berth, desires fortnight in July; country or seaside; exempt. Terms, etc., "M.P.S.," 6 Manor Road, Witton, Birmingham.

**L**OCUM; seaside or country; middle-aged; unqualified; experienced, reliable; satisfactory references; accustomed to Management; disengaged after June 30; wages £3 5s. weekly, outdoors, and single railway fare. 62/3, Office of this Paper.

**L**OCUM; highest references and experience; continuous dates; open July, August; terms £4 4s. 68/10, Office of this Paper.

**L**OCUM or temporary; 22; rejected; unqualified. Cohen, 83 Spencer Place, Leeds.

**L**OCUM; disengaged up to June 17; in or out; unqualified; capable. 23 Como Street, Romford.

**L**OCUM; ineligible; qualified; good references; disengaged. 12 Bersham Road, Wrexham.

**L**OCUM; qualified; elderly; highest references; disengaged. 11 Woodhurst Road, Moseley, Birmingham.

**L**OCUM or Relief; qualified; experienced. G. Williams, 32 Stanfield Road, Bournemouth.

**L**OCUM; unqualified; experienced; references; Bradford district. Hardy, 3 Blenheim Mount, Bradford.

**L**OCUM; highly recommended; June only disengaged; over 30 years' first-class experience, London and Watling places; abstainer. Parker, 50 Bloomsbury Street, W.C.

**L**ONDON Only.—Branch Manager or Assistant; over military age; unqualified; abstainer; Front Counter, Dispensing; disengaged; permanency desired. "Hodie," 10 Alfearn Road, Clapton, N.E.

**M**ANAGER or Assistant; unqualified; good Dispenser, Prescriber, and Counterman; married, no family; middle-aged; disengaged shortly. Chemist, 108 Surrey Street, Portsmouth.

**M**ANAGER or Assistant; highest references; age 44. 69/1, Office of this Paper.

**M**ANAGER; qualified; reliable; wide experience; 45; view to succession; £4 weekly. "1234" (68/5), Office of this Paper.

**M**ANAGER, Locum, Senior, or responsible position; qualified ineligible; best London and Provincial experience, Prescribing, Dispensing, Organising, Counter. "Pharmacist," 77 Shirland Gardens, Maida Vale.

**M**INOR, R.D.S.; Locum, part-time; easy hours, easy terms; June 13. Photo or interview, "Dens," Mrs. F. Sage, Alcombe, Taunton.

**P**ART-TIME.—Qualified; evenings Saturday after 2 p.m., occasional Sundays. "Pharmacist," 5 Claverton Street, S.W.

**P**HARMACIST, 28, ineligible, requires good responsible position; 10 years' first-class experience. 67/16, Office of this Paper.

**P**HARMACIST, 29, ineligible, seeks permanency as Branch Manager; excellent experience. "Salol" (66/27), Office of this Paper.

**P**HARMACIST, elderly, excellent references, desires employment, Manager or Assistant; in or out; moderate hours; at liberty. M. Carter, 7 Westbourne Arcade, Bournemouth.

**P**HARMACIST, 38, requires responsible management; at liberty when required; complete trade knowledge. 69/16, Office of this Paper.

**Q**UALIFIED; 39; married; exempt; Locum, permanency; disengaged. Stewart, 3 Elborough Street, Southfields.

**Q**UALIFIED Pharmacist; 25; ineligible; married; West-End and Provincial experience, Photography; disengaged now. "Chemist," 39 Gateley Road, Brixton, S.W.

**Q**UALIFIED, disengaged early, well experienced, wants change; desires permanency; ineligible. 236/10, Office of this Paper.

**Q**UALIFIED; exempted; first-class experience, Dispensing, Counter, Photography; foreign languages; disengaged; London preferred. 70/12, Office of this Paper.

**Q**UALIFIED; elderly; exceptional experience; permanency; Locum; easy hours, terms moderate. 68/3, Office of this Paper.

**T**EMPORARY duties required by a very capable and experienced Assistant; age 34 and untested; at liberty. "Locum," c/o 13 Hornby Road, Blackpool.

**T**HOROUGHLY experienced Dispenser requires work for June. "Miss J." (67/17), Office of this Paper.

**U**NQUALIFIED; just over military age; disengaged about June 5; Manager, Assistant, or any position of confidence; salary not less than £4 per week; outdoors; London; all-round experience. "Radix," 72 Tremadoc Road, Clapham, S.W.

**U**NQUALIFIED Dispenser, lady, hospital training, desires post, Chemist or Doctor; would not object to learn Counter work; Birmingham or near. 65/20, Office of this Paper.

**W**ANTED, permanent berth in good Country business; 20 years' good experience at Dispensing, Counter, and Window-dressing; ineligible; can take charge. Kindly give all particulars in first letter, "A. B. C." (69/13), Office of this Paper.

**Y**OUNG lady, accustomed to Chemists' Packing, desires post, City or London, E. Apply, 235/62, Office of this Paper.

**Y**OUNG lady, 18, requires situation; 3½ years' good all-round experience. 69/29, Office of this Paper.

**30**, TALL, rejected; good address; 16 years varied Retail, West End; ideas in Advertising; could manufacture and manage Proprietary, Travel, supervise; active. 70/14, Office of this Paper.

## WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**A**DVERTISER (ineligible), age 28, seeks permanency; Shipping, Bookkeeping, Buying; 12 years' experience. 67/20, Office of this Paper.

**A**DVERTISER seeks permanent situation as Stockkeeper or similar in Wholesale; 12 years' experience in Patent Medicines, Wets, Dyes, and Chemical Apparatus; ineligible. 68/17, Office of this Paper.

**D**ISPENSER seeks post; Wholesale; London only. Whitehead, 112 Charlotte Street, Sittingbourne, Kent.

**P**ERFUMERY and Toilet Preparation Department Manager, practical manufacturer and originator, requires position; salary £350. "Vertex" (67/18), Office of this Paper.

**Q**UALIFIED Chemist requires post of Traveller; 34; well up in most branches; trustworthy, willing. 66/35, Office of this Paper.

**T**RAVELLER, qualified Chemist, requires re-engagement; experienced, energetic, successful; excellent selling record and connection with Chemists, Stores, Institutions, and general; intimate knowledge Drug, Sundries, Essence, Disinfectant, etc., trades; first-class references; ineligible. Army; disengaged. 69/22, Office of this Paper.

**T**RAVELLER; 28; 12 years in trade. "M. B.," Rycroft Hotel, Bernard Street, W.C.

**T**OILET Preparations or Mixed.—Advertiser desires position of trust; highest references. "Ineligible" (68/37), Office of this Paper.

**W**HOLESALE Chemist's Manager; attested, requires Locum until called up. Clark, Regent Street, Smethwick.

## WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

### TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

### WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

#### THE WAR WANTS EXCHANGE.

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Adalin powder or tablets (69/24)	Kleewin Marienbad pills (69/24)
Anthraxol (69/24)	Lysidine (66/23)
Antitoxin tablets (69/24)	Naftalan (69/24)
Butylchloral (69/6)	Paramidophenol (Agfa) (66/23)
Cocain. hydroch. (69/6)	Phenacetin (69/6)
Eugallol (69/24)	Phenazonum (69/6)
Euresol (69/24)	Resorcin (69/6)
Euresol capill. (69/24)	Sodium sozoiodol (69/24)
Guaiacol carb. (66/23)	Validol (69/24)
Iodipin tablets (69/24)	
Iodoglidine tablets (69/24)	

### FOR DISPOSAL.

Below-are buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Bismuth, carb. (B. W. & Co.), 7-lb. parcel (70/26)	Phenacetin, 4 oz. (234/72)
Bismuth, salicyl., 1 lb. (67/36)	Pot. permangan. (66/26)
Hydroquinone (Schering), 1 lb. (70/26)	Quin. sulph., 50 oz. (whole or part) (70/26)
Indigo (66/26)	Salol, 2 oz. (67/36)
Metol (Hauff.), 4-oz. original (70/26)	Santonine, 1 oz. (67/36)
	Sodii salicyl. (Evans), 4-lb. bottle (70/26)

## MISCELLANEOUS.

**MCADAM & TUCKNISS**, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone, 81 Lee Green. Shares for Sale (free of commission, subject).—200 Beverly Tea, 2s. 4½d. c.d.; 50 W. B. Fordham, 10s. 3d.; 100 Roneo Ordinary, 15s. 9d. c.d.; 100 Bovril Ordinary, 20s. 6d.; 200 Deferred, 7s. 6d.; 250 Schweppes' Deferred, 7s. 4½d.; 25 Idris "A" Preferred, 4s.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

**SHOP FITTINGS**.—War Bargains; Mahogany and Plate Glass. Sponge Case with bent top, 75s.; 10 ft. Mahogany and Plate Glass Serving Counter, £8; Perfumery Case and Desk, 52s. 6d.; 4 ft. Bent Counter Case, 45s. Write enquiries, **PHILIP JOSEPH & SONS, LTD.**, 93 Old Street, London, E.C.

**SECOND-HAND Chemists' Fittings**.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, **RUDDUCK & CO.**, 262 Old Street, London, E.C.

**10 TONS Hydrous Lanoline** for Sale; best offers wanted for whole or part. Levers', Elver Works, Moreton Street, Manchester.

**CHEMIST'S** good second-hand 12-ft. Mahogany Drug Fitting, 6-ft. Mahogany Dispensing Screen and Counter, 4-ft. Mahogany Wall-case, 10-ft. Glass-fronted Counter; Nest of Counter Drawers; Perfumery Case and Desk; 4-ft. Bent Glass Counter Case; the lot £45; bargain; cheapest house for Window Enclosures, Mirrors, Glass Shelves, modern Shop Fronts, Improvements, etc.; plans prepared; estimates free. Mills, Shopfront, Shopfitting, and Glass Facia Works, 163-166 Old Street, London, E.C. Phone London Wall 550.

**8/6**  
3  
Years  
4  
Columns

## Jay Mack's Ledger

gives Retailer essential details only; simple methods; short cuts. 10 minutes' work per week.

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Years  
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Foreign Parcel Post all extra over first 6d.

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S. AFRICA—  
Rorder Drugs E. London.  
Gardners' Port Elizabeth.

## A MAIL ORDER BUSINESS

Can be started with quite moderate capital, and if conducted with ordinary ability may produce a very large return. Any Chemist or Business Firm who is looking for a promising "mail order" opening should communicate with Mr. F. E. COE, of 141 Albany Street, Regent's Park, N.W., the well-known mail order expert and advertising consultant.

Initial Consultation Free

## EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

### FOR DISPOSAL.

#### BOOKS AND PERIODICALS.

"B.P.C. Year Book," 27 vols., 1880-1906 (inclusive); what offers? Finlay, Chemist, Kilrush.

#### DRUGS AND CHEMICALS.

POTASS. permang., 8 lb.; what offers, delivered London? "B." 91 Burnt Ash Hill, Lee, S.E.

1 oz. protargol (unopened), 2 oz. phenacetin, 5 oz. caffeine, cit., 6 oz. phenazone, 1 oz. migrainine (unopened); sell or exchange cash till, folding camera. 66/32, Office of this Paper.

#### MISCELLANEOUS.

**APPARATUS**.—Contents of small laboratory; cost about £5; sell 25s.; Oertling £10 long-beam balance, rider and pan arrests, sell 40s. Firmin, c/o Gould, 59 Moorgate Street, E.C.

**BALANCE**, new condition, to weigh 250 gms., graduated beam, agate planes and knife edges, removable pans, 10 cm. diam., all brass; also set weights, 200 grms. to 10 m. grms. Burnall, Woodland View, Sheffield.

**MR. GIBSON**, chemist, Brigg, wishes to dispose at cost price of 200 toilet sponges, of which he has overbought; beautiful quality and shapes and splendid value; 16s. doz.; return if not approved.

### WANTED.

WANTED, few dozens "Brisca" hair-brushes (Ayrton, Saunders). Milnes, Lane Head, Brighouse.

WANTED, pill mass kneaders and mixers, hand or power. Write "Mixer" (68/23), Office of this Paper.

**TOOTH-POWDER** tins wanted in large quantities, various sizes. Levers, Elver Works, Moreton Street, Manchester.

**IODOGLIDINE** tablets wanted. State price and quantity to Stickland & Co., 23 Cromwell Place, South Kensington, S.W.

**SCALES**.—Brass, agate; to weigh up to one pound; sensitive to one grain. A59, Birchall's Advertising Offices, 17 James Street, Liverpool.

**OPTICAL** books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

N.B.—Prices quoted herewith are for preparations according to the New Pharmacopœia, 1914.

**PRICES ISSUED WEEKLY.**

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below.

N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

- A** cetanilide, B.P., 1 lb. @ 10/- lb.; powder, 1d. lb. extra.  
 \*Acet. Ipecac., B.P., 6 lbs. @ 2/4 lb.  
 " Scilla, P.B., 6 lbs. @ 5d. lb.  
 \*Acid. Acet. Glacial., 99%, 6 lbs. @ 4/- lb.  
 " Acetylo-Salicyl. 1 lb. @ 52/- lb.  
 " Benz., B.P., 7 lbs. @ 16/6 lb.; 1 lb. @ 17/- lb.  
 " Boric Pulv., 3 cwt. @ 54/9 cwt.; 1 cwt. @ 55/9 cwt.; levigd. 3/- cwt. or 1/4 lb. extra.  
 " Carbol. Xtls., 39/40; 56 lb. drums @ 2/1 lb.; 12 1-lb. Bots. @ 2 1/4 lb.; Single Bots. @ 2/6 lb.; Detached Cryst. 1 lb. @ 2 1/8 lb.; Crude Black, 45 gall. casks @ 1/1 gal.; 5 gall. drums @ 1/8 gall.; 1 gall. tins @ 2/2 each.  
 " Citric, cryst., B.P., '85, 7 lbs. in bags @ 4/- lb.; powder, 1/4 lb. extra.  
 " Diethylbarbituric, 1 oz. @ 5/3 oz.  
 " Gallic, pur., P.B., 7 lbs. @ 7/3 lb.; 1 lb. @ 7/6 lb.  
 \* " Hydrochlor. Coml., cases of 4 2-gal. jars, 28/6 each; 20 case lots @ 27/6 each.  
 \* " Hydrocyan. P.B., 6 lbs. @ 1/7 lb.; 1 lb. @ 2/- lb.; 36 1-oz. Vials @ 7/6 doz.  
 " Oxalic Cryst., 1 cwt. @ 2 1/2 lb.; 14 lbs. @ 2/3 lb.  
 " Phosph. Dil. B.P., 6 lbs. @ 5d. lb.  
 " Salicyl. pulv. 1 lb. @ 21/- lb.  
 " Sulphur, Coml., cases, 4 2-gal. jars @ 36/- each; 20 cases @ 35/- each.  
 " Sulph. Aromat. B.P., 5 lbs. @ 4/4 lb.  
 " Tannic, B.P., 1 lb. @ 5/6 lb.  
 " Tart., cryst. or pulv. B.P., 1885, 7 lbs. @ 4/3 lb.; parv. 1/4 lb. extra.  
**A** deps Benz., B.P., 28 lbs. @ 1/0 1/2 lb.; 7 lbs. @ 1/1 1/2 lb.  
**E** rugo Aris Pulv., 14 lbs. @ 1/5 lb.  
**A** loes Barb., English-ground, 28 lbs. @ 120/- cwt.; 7 lbs. @ 1/3 lb.  
**A** loes, Socot. 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/6 lb.  
**A** loin, B.P., 1 lb. @ 5/6 lb.  
**A** mmon. Benz., 7 lbs. @ 16/6 lb.; 1 lb. @ 17/- lb.  
**A** mmon. Brom. P.B., 1 lb. @ 21/- lb.  
**A** mmon. Carb. lump, 3 cwt. @ 6 1/2 lb.; 28 lbs. @ 8d. lb.; 7 lbs. @ 8 1/2 lb.; powder, 1/4 lb. extra.  
**A** mmon. Chlor., 99% pulv., 1 cwt. @ 59/- cwt.; 7 lbs. @ 7 1/2 lb.; Batteries, 6/- cwt. extra.  
**A** myli Pulv., 10 cwt. @ 31/- cwt.; 2 1/2 cwt. @ 32/- cwt.; 1 cwt. @ 33/6 cwt.  
**A** nised, English ground, 1 cwt. @ 62/- cwt.; 7 lbs. @ 7 1/2 lb.  
**A** ntim. Nig. Pulv., 7 lbs. @ 1/5 lb.  
**A** ntim. Tart. pulv. 7 lbs. @ 3/8 lb.  
**A** piol, 1 lb. @ 29/- lb.  
 \***A** qua Anethi Conc. 1-40, 1 lb. @ 3/5 lb.  
 \* " Anisi Conc. 1-40, 1 lb. @ 3/5 lb.  
 \* " Aurant. Conc. 1-40, 1 lb. @ 6/8 lb.  
 \* " Aurant. Trip., 6 lbs. @ 8d. lb.; 53 lbs. for 23/-  
 \* " Cinnam. Conc. 1-40, 1 lb. @ 3/10 lb.  
 \* " Laurocerasi, 6 lbs. @ 8d. lb.  
 \* " Mentb. Pip. Conc., 1-40, 1 lb. @ 3/6 lb.  
 \* " Rosæ Conc. 1-40, 1 lb. @ 7/6 lb.  
 \* " Rosæ Trip., 53 lbs. for 25/-; 6 lbs. @ 8d. lb.  
 \* " Samb. Conc., 1-40, 1 lb. @ 6/8 lb.  
 \* " Samb. Trip., 6 lbs. @ 8d. lb.  
**A** raroba, fine powder, 7 lbs. @ 8/- lb.; 1 lb. @ 8/6 lb.  
**A** rgent. Nit., 6's to oz., 25 oz. @ 2/5 oz.; 1 oz. @ 2/7 oz.  
**A** rgent. Nit., Cryst., 25 oz. @ 2/4 oz.; 8 oz. @ 2/6 oz.  
**A** rsenic, Alb. Pulv., 2 cwt. @ 43/6 cwt.; 7 lbs. @ 5d. lb.  
**A** tropinæ Sulph., P.B., 1 oz. @ 152/6 oz.  
**A** uri Chlor., 6 doz. 15 gr. tubes, @ 22/6 doz.; 1 doz. 15 gr. tubes @ 22/9 doz.  
**B** als. Copaibæ, pure, 44 lbs. @ 3/9 lb.; 9 lbs. @ 4/- lb.; 1 lb. @ 4/3.  
 " Peruv., P.B., 1 lb. @ 23/- lb.  
 " Sulphur, 7 lbs. @ 10 1/2 lb.  
 " Tolut. B.P., 50 lbs. @ 2/3 lb.; 1 lb. @ 3/1 lb.  
**B** ismuth, P.B., Carb., 3 lbs. @ 14/6 lb.; 1 lb. @ 15/- lb.; subnit., same price.  
**B** oracic Mixture, 1 cwt. @ 60/- cwt.  
**B** orax, 1 cwt. @ 31/6; powder 1/- extra.  
**B** utyl-Chloral Hydras., P.B., 1 lb. @ 1 lb.  
**C** affeine, P.B., 1 lb. @ 40/- lb.  
**C** affeine Cit., B.P., 1 lb. @ 25/6 lb.  
**C** alamina, powder, fine pink, 5 cwt. @ 13/- cwt.; 1 cwt. @ 15/- cwt.; 7 lbs. @ 2 1/2 lb.  
**C** alamine, B.P., 1885, 7 lbs. @ 1/3 lb.  
**C** alci Carb. Pracip., 5 cwt. @ 18/6 cwt.; 1 cwt. @ 23/- cwt.; 28 lbs. @ 27/6 cwt.  
 " Hydras., P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.  
 " Hypophosph. Pur., P.B., 1 lb. @ 3/- lb.  
 " Iodid., 1 lb. @ 25/- lb.  
**C** amphor., English Flowers, "not artificial," 5 lbs. @ 2/5 lb.; 1/2 oz. or 1/4 oz. 7 lbs. @ 2/4 lb.; good white, about 95% as imported, 140 lbs. @ 1/9 1/2 lb.; 28 lbs. @ 1/10 1/2 lb.  
**C** antharides, Russian, 7 lbs. @ 19/- lb.; powder 6d. lb. extra.  
**C** apsicine, soluble, 1 lb. @ 9/6 lb.  
**C** arbo Animalis or Ligni, powder or lump, 1 cwt. @ 25/- cwt.; 28 lbs. @ 3 1/2 lb.  
**C** ardamons, 28 lbs. @ 3/3 lb.; 7 lbs. @ 3/6 lb.  
**C** armine, Finest, 1 lb. @ 30/- lb.; No. 2, 1 lb. @ 25/- lb.  
**C** era Alba, B.P., White Moons, 28 lbs. @ 2/2 lb.; 4 lbs. @ 2/4 lb.; Flav. 1 lb. Blocks, 28 lbs. @ 1/9 1/2 lb.; 4 lbs. @ 1/10 1/2 lb.; 1 oz., 1/2 oz. tabs., 7 lbs. @ 1/10 1/2 lb.  
**C** eri Oxalates, 1 lb. @ 5/6 lb.  
**C** etaceum, No. 1, fine white, 64 lbs. @ 1/1 lb.; 7 lbs. @ 1/3 lb.; powder, 7 lbs. @ 1/7 lb.  
**C** hloral Hydras Cryst., B.P., 7 lbs. @ 14/- lb.; 1 lb. @ 14/6 lb.  
**C** hlorodyne, 5 lbs. @ 2/6 lb.  
 \***C** hloroform, pure, B.P., 12 8-lbs. @ 3/1 lb.; 8 lbs. @ 3 1/2 lb.; 6 1-lb. bots. @ 3/6 lb.  
**C** ocaine Hydrochlor., B.P., 25 oz. @ 25/3 oz.; 4 oz. @ 26/3; 1 oz. @ 27/- oz.  
**C** odeina, 1 oz. @ 25/6 oz.; Phosph., 1 oz. @ 21/- oz.; Hydrochlor. or Sulph., 1 oz. @ 22/- oz.  
**C** olocynth, Apple, English ground, 1 cwt. @ 1/4 lb.; 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/7 lb.  
**C** omposition Powder (Cofin's), 1 cwt. @ 62/- cwt.; 7 lbs. @ 8d. lb.  
**C** onf. Sennæ, P.B., 14 lbs. @ 1/1 lb.; 7 lbs. @ 1/2 lb.  
**C** ort. Aurant. Exot. Shreds, 7 lbs. @ 2/4 lb.  
 " Cinchon. Rub. (Quill), 7 lbs. @ 1/3 lb.  
 " Ulmi Fulvæ, Pulv., 1 cwt. @ 11d. lb.; 7 lbs. @ 1/1 lb.  
**C** ream of Tartar, 98% powder, 1 cwt. @ 215/- cwt.; 7 lbs. @ 2/- lb.  
**C** reasote, Beechwood, P.B., 7 lbs. @ 25/- lb.  
**C** reta c. Camph., 7 lbs. @ 10d. lb.  
 " Gall. Pulv., in sacks, 10 cwt. @ 9/- cwt.; 1 cwt. @ 11/- cwt.; 14 lbs. @ 1 1/2 lb.  
 " Præparata, 7 lbs. in box @ 1/2 each.  
**C** ubebæ, English Ground, 28 lbs. @ 2/6 lb.; 7 lbs. @ 2/8 lb.  
**D** cc. Aloes Co. Conc. 1-2, 6 lbs. @ 2/- lb.; Sinecroco, 6 lbs. @ 1/3 lb.  
 \* " Cinchonæ (Rubræ) Conc., 1-7, 6 lbs. @ 2/2 lb.  
 \* " Senegæ Conc., 6 lbs. @ 2/10 lb.  
**E** mp. Spread, 12 yards x 16 ins. adhesive, 6/-; Bellad. B.P.C., Green @ 28/6; Cerat. Saponis @ 12/4; Picis Co @ 12/4; Plumbi @ 10/-; Resinæ @ 7/6; Roborans @ 11/6; Saponis, B.P., @ 10/-  
**E** mp. Picis, B.P., 7 lbs. @ 11d. lb.  
 " Plumbi, P.B., 7 lbs. @ 11d. lb.  
 " Resinæ, P.B., 7 lbs. @ 1 1/2 lb.  
 " Roborans, 7 lbs. @ 1 1/2 lb.  
**E** mulsio Ol. Morrhuæ, 5 lbs. @ 1/7 lb.  
**E** serine Sulph., in 15-grain tubes, 8/3 each.  
**E** ss. Bergam. (Oil), 12 lbs. @ 13/- lb.; 1 lb. @ 14/- lb.; not guaranteed absolutely pure.  
**E** ss. Limonis (oil) original coppers, 12 lbs. @ 4/3 lb.; 6 1-lb. bots. @ 4/9 lb.; not guaranteed absolutely pure.  
 \***E** ss. Moschi (not artificial), 5 lbs. @ 13/6 lb.; 1 lb. @ 14/3 lb.  
 \***E** ss. Pear (artificial), Jargonelle, 5 lbs. @ 3/- lb.; Bergamot, 3/6 lb.  
 \***E** ss. Pineapple, 5 lbs. @ 4/- lb.  
 \* " Raspberry, 5 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.  
 \* " Vanilla Beans, 5 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.  
 \***E** xt. Belladonnæ Liq., B.P., 5 lbs. @ 21/6 lb.; 1 lb. @ 22/6 lb.; solid, 7 lbs. @ 12/- lb.  
**E** xt. Cannab. Ind., Ale., B.P., 1 lb. @ 54/- lb.  
**E** xt. Cascara Sag. Liq., B.P., 1 cwt. @ 17 1/2 lb.; 10 lbs. @ 1/10 lb.  
 \***E** xt. Ergot. Liq. P.B., 5 lbs. @ 4/11 lb.; 1 lb. @ 5/5 lb.; Solid, P.B., 4 lbs. @ 25/- lb.; 1 lb. @ 26/6 lb.  
**E** xt. Gent., P.B., solid, 1 cwt. @ 1/10 lb.; 7 lbs. @ 2/- lb.  
 \***E** xt. Glycyrrb. Liq., B.P., 6 lbs. @ 2/7 lb.  
 \***E** xt. Hamamelis Liq., P.B., 5 lbs. @ 3/11 lb.  
**E** xt. Hyoscym., Solid, B.P., 3 lbs. @ 8/6 lb.; 1 lb. @ 9/6 lb.  
 \***E** xt. Ipecac. Liq., P.B., 5 lbs. @ 31/- lb.; 1 lb. @ 32/- lb.  
**E** xt. Malti c. Ol. Jecoris, 10 lbs. @ 10d. lb.  
 \***E** xt. Nucis Vom. Liq., P.B., 5 lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.; solid, 5 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.  
**E** xt. Opil Solid, P.B., 1 lb. @ 72/- lb.  
 \***E** xt. Opil Liq., B.P., 5 lbs. @ 5/7 lb.; 1 lb. @ 6/2 lb.  
**E** xt. Quassia, Solid, 7 lbs. @ 8/- lb.; 1 lb. @ 8/6 lb.  
**E** xt. Sarsæ Co. Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.  
**F** erri Ammon. Cit., P.B., 28 lbs. @ 4/5 lb.; 7 lbs. @ 4/7 lb.  
**F** erri Carb., 14 lbs. @ 6d. lb.  
**F** erri et Quinina Cit., P.B., 100 ozs. @ 1/1 1/2 oz.; 25 ozs. @ 1/2 oz.  
**F** erri Sulph., pure cryst., 1 cwt. @ 3 1/2 lb.  
**F** errum Redact., 80%, 7 lbs. @ 7/6 lb.; 1 lb. @ 7/10.  
**F** lor. Anth. Exot., 7 lbs. @ 1/3 lb.  
**F** ol. Buchu, oval, 7 lbs. @ 2/10 lb.  
**F** ol. Sennæ Alex. parv., 28 lbs. @ 1/1 lb.

\*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

NOTE.—Only terms Net Cash with Order without discount, or orders accepted through London Merchants or Bankers. Goods carriage forward; all packages free; Export cases extra.

**ALLIANCE DRUG & CHEMICAL CO., LONDON.**  
Offices: 34 LEADENHALL STREET.

KINDLY DETACH THIS SHEET AND PLACE IT IN YOUR BUYING BOOK.

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## EXTRACT OF HERBS.

### The Drink for the Masses.

Millions of Glasses used daily by workers all over the Empire.

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USER SAYS:

Scole, Norfolk.

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For years I took

a glass of Malt Liquor before dinner to create an appetite, as I was a poor feeder. Some months ago I heard of your Extract for making Beer. I gave it a trial and have ever since used it as a substitute for the other, and the result is most satisfactory. After being bottled a few days it is as bright and sparkles like bottled Ale. Since taking it I have been free from the cruel pains of Indigestion from which I had suffered a long time. Now instead of going to the "public house" in the evening for my usual glass, I smoke my pipe at home, drink my Herb Beverage and enjoy it, go to bed and sleep soundly. I have recommended it to many others, who have tried it with like results. Your Agent here thought I ought to give you a testimonial.

I am, Sirs, yours truly, J. W.

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Best Wholesale & Export Terms on application—

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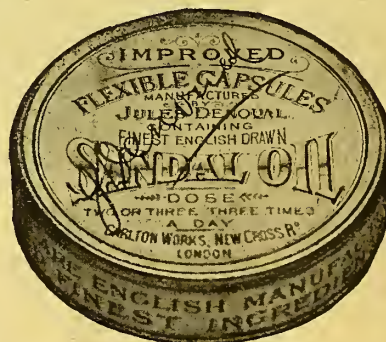
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Minimum Retail • 2/6 per box.

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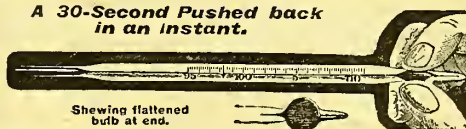
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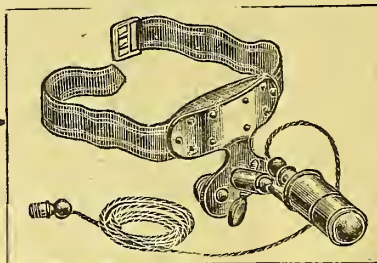
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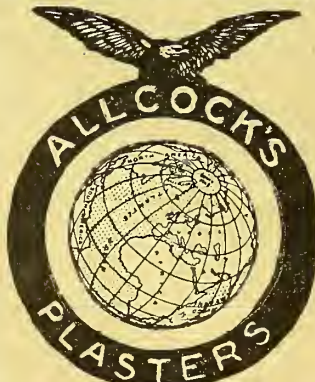
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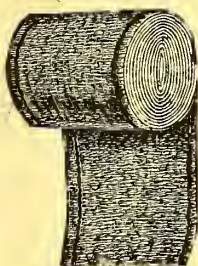
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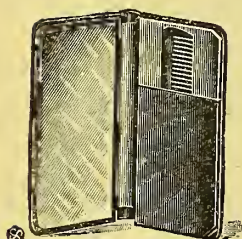
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COMPANION

No. 1

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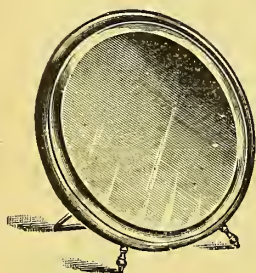
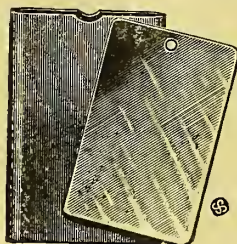


Fig. 30

SIZE 1

Black convex metal frame; to hang or stand.  $4\frac{1}{2}$  in. diameter.

PER DOZ. ... 4/9

 $4 \times 2\frac{3}{8}$  in.

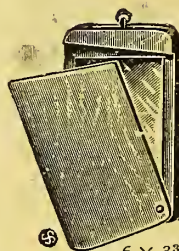
These unbreakable pocket mirrors are heavy steel plated both sides with a high finish. At the price, they beat all those thin tin, one side plated articles on every count.

PER DOZ. ... 4/6

Fig. 31

A thoroughly sound hard-wearing English-made Mirror. Real oak case, fitted to hang up. Handy size for kit bag, and will stand a deal of knocking about.

PER DOZ. ... 8/9

 $6 \times 3\frac{3}{8}$  in.SPECIAL  
SIXPENNY  
LINE

No. 26

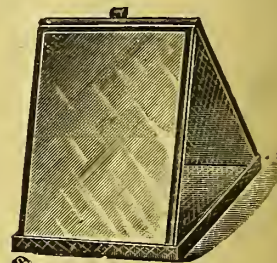
TRAVELLING  
MIRRORS

Fig. 24

Leatherette covered Mirror, to fold flat. When closed mirror's protected both sides, and can only get broken by deliberate intention.

Measures  $5\frac{1}{2} \times 3\frac{1}{2}$  in.

PER DOZ. ... 7/-

No. 32

Style as Fig. 24, slightly smaller, measuring  $5\frac{1}{4} \times 3\frac{1}{2}$  in. Also leatherette covered in assorted colours.

PER DOZ. ... 4/9

No. 33

Metal framed mirror with swing loop at back for hanging or forming stand.

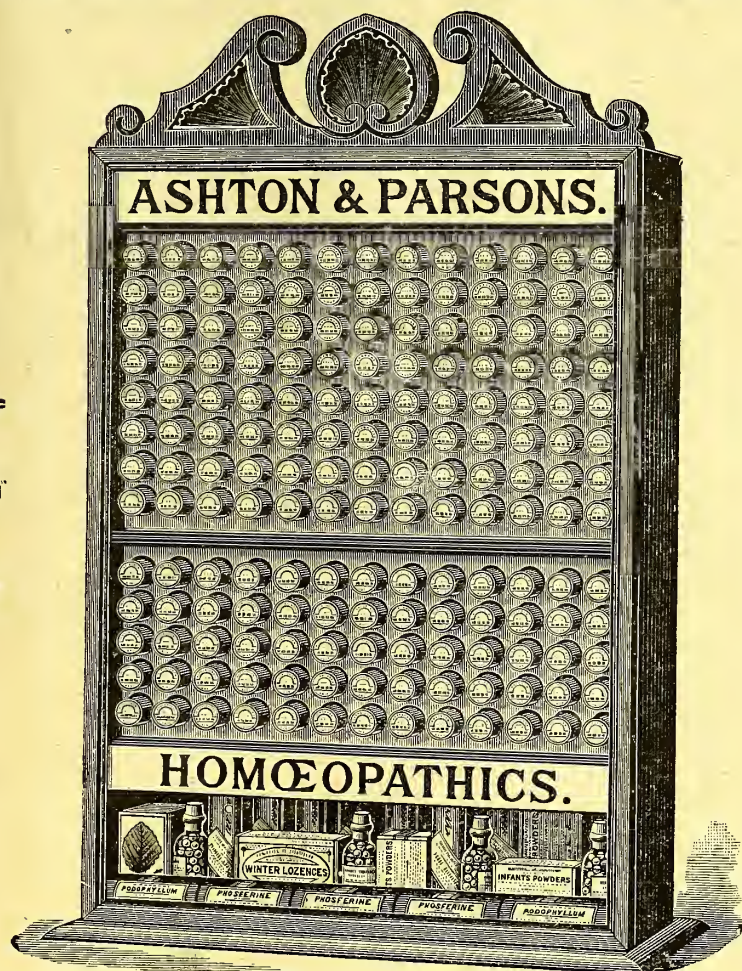
Measures  $5 \times 3\frac{1}{2}$  in.

PER DOZ. ... 2/6

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Makers of Fluid and Solid Extracts.

Packers of Toilet Specialities and  
Proprietary Articles.

Makers of Lozenges, Jubes, &c., for  
Chemists' Trade.

Packers of Flower and Vegetable Seeds.

Proprietors of Potter's Asthma Cure  
and other Specialities.

Growers of Medicinal Plants.

Publishers of Potter's Cyclopædia of  
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We guarantee this combination to be one of the most genuine and reliable on the market. The ingredients stated upon the label are absolutely pure.

2/6 boxes containing 24 ... 18/- doz.  
3/6 " " 36 ... 25/- "

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The "Winged Lion" Capsules do not shrink, contract or go mouldy, but retain their flexibility for any length of time.

All Capsules are filled with the purest ingredients and are guaranteed effective.

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